

# 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 March to 01 April 2022

These documents are currently under consideration in the technical committee.

They have been registered at the Central Secretariat.

TC 20	Aircraft and space vehicles	ISO/CD 5879	Space systems — Launch vehicle/spacecraft separation ground test requirements	ISO/DTS 6434	Space systems — Design, testing and operation of a spacecraft large constellation
TC 22	Road vehicles	ISO/CD 8092-2	Road vehicles — Connections for on-board electrical wiring harnesses — Part 2: Definitions, test methods and general performance requirements	ISO/CD 22733-2	Road vehicles — Test method to evaluate the performance of autonomous emergency braking systems — Part 2: Car to pedestrian
		ISO/DTS 5474-5	Electrically propelled road vehicles — Functional requirements and safety requirements for power transfer — Part 5: Automated conductive power transfer		
TC 23	Tractors and machinery for agriculture and forestry	ISO/CD 6534	Forestry machinery — Portable chain-saw hand-guards — Mechanical strength	ISO/CD 7914	Forestry machinery — Portable chain-saws — Minimum handle clearance and sizes
TC 31	Tyres, rims and valves	ISO/CD 5775-1	Bicycle tyres and rims — Part 1: Tyre designations and dimensions		
TC 34	Food products	ISO/CD 8024	Concentrate black mulberry juice — Specifications	ISO/CD 24381	Bee propolis — Specifications
TC 35	Paints and varnishes	ISO/DTS 19392-5	Paints and varnishes — Coating systems for wind-turbine rotor blades — Part 5: Measurement of transmittance properties of UV protective coatings	ISO/DTS 19392-6	Paints and varnishes — Coating systems for wind-turbine rotor blades — Part 6: Determination and evaluation of ice adhesion using centrifuge
TC 37	Language and terminology	ISO/CD 11669	Translation projects — General guidance	TC 38	Textiles
		ISO/CD 5533	Textiles — Quantification of carbon fibre content — Elemental analyser method	ISO/DIS 9073-1	Nonwovens — Test methods — Part 1: Determination of mass per unit area
		ISO/DIS 9073-3	Nonwovens — Test methods — Part 3: Determination of tensile strength and elongation at break using the strip method	ISO/CD 9073-13	Nonwovens — Test methods — Part 13: Repeated liquid strike-through time (simulated urine)
		ISO/CD 9073-14	Nonwovens — Test methods — Part 14: Coverstock wetback (simulated urine)	TC 42	Photography
		ISO/CD 15739	Photography — Electronic still-picture imaging — Noise measurements	ISO/DTS 17321-4.2	Graphic technology and photography — Colour characterization of digital still cameras (DSCs) — Part 4: Programmable light emission system
TC 43	Acoustics	ISO/DTS 20065	Acoustics — Objective method for assessing the audibility of tones in noise — Engineering method	TC 44	Welding and allied processes
		ISO/CD 1089	Resistance welding — Electrode taper fits for spot welding equipment — Dimensions	TC 58	Gas cylinders
		ISO/DTR 4673	Service life performance of composite cylinders and tubes	TC 68	Financial services
		ISO/CD 5201	Financial services — Code-scanning payment security	TC 76	Transfusion, infusion and injection, and blood processing equipment for medical and pharmaceutical use
		ISO/CD 4802-1	Glassware — Hydrolytic resistance of the interior surfaces of glass containers — Part 1: Determination by titration method and classification	ISO/CD 4802-2	Glassware — Hydrolytic resistance of the interior surfaces of glass containers — Part 2: Determination by flame spectrometry and classification
		TC 81	Common names for pesticides and other agrochemicals	TC 85	Nuclear energy, nuclear technologies, and radiological protection
		ISO/CD 1750	Pesticides and other agrochemicals — Common names	ISO/CD 24426	Radiological protection — Format of input data for the statistical description of dose records of individuals monitored for occupational exposure to ionizing radiation
		TC 85	Nuclear energy, nuclear technologies, and radiological protection	TC 119	Powder metallurgy

ISO/CD 3995	Metallic powders — Determination of green strength by transverse rupture of rectangular compacts
TC 121	Anaesthetic and respiratory equipment
ISO/CD 5362	Anaesthetic and respiratory equipment – Anaesthetic reservoir bags
TC 130	Graphic technology
ISO/CD 24585-1	Graphic technology — Multispectral imaging measurement and colorimetric computation for graphic arts and industrial application — Part 1: Parameters and measurement methods
ISO/CD 24585-2	Graphic technology — Multispectral imaging measurement and colorimetric computation for graphic arts and industrial application — Part 2: Requirements for decorative surfaces
TC 131	Fluid power systems
ISO/CD 11619	Pneumatic fluid power — Polyurethane and polyamide tubings for use primarily in pneumatic installations — Dimensions and specification
ISO/DTR 6057	Sample Calculations for ISO 11171
TC 146	Air quality
ISO/CD 7935	Stationary source emissions - Determination of the mass concentration of sulfur dioxide in flue gases - Performance characteristics of automated measuring systems
TC 156	Corrosion of metals and alloys
ISO/DTR 16203	Corrosion of metals and alloys — Guidelines for the selection of methods for particle-free erosion corrosion testing in flowing liquids
TC 159	Ergonomics
ISO/CD 20685-2	Ergonomics — 3-D scanning methodologies for internationally compatible anthropometric databases — Part 2: Evaluation protocol of surface shape and repeatability of relative landmark positions
ISO/DTR 23474	Safety of machinery — Ergonomic principles for the design of sorting cabins intended for the manual sorting of dry household and similar waste originating from selective collection
ISO/CD 24227	Accuracy evaluation protocol for daily living walking speed extracted from sensor systems that measure human body motion
TC 163	Thermal performance and energy use in the built environment
ISO/CD 9869-3	Thermal insulation of building elements — In-situ measurement of thermal resistance and thermal transmittance — Part 3: Probe insertion method
TC 172	Optics and photonics
ISO/CD 10110-11	Optics and photonics — Preparation of drawings for optical elements and systems — Part 11: Non-toleranced data
TC 178	Lifts, escalators and moving walks
ISO/DTR 25741-1	Lifts and escalators subject to seismic conditions — Compilation report — Part 1: Rule by rule comparison
ISO/DTR 25741-2	Lifts and escalators subject to seismic conditions — Compilation report — Part 2: Abbreviated comparison and comments
TC 184	Automation systems and integration
ISO/DIS 10303-238	Industrial automation systems and integration — Product data representation and exchange — Part 238: Application protocol: Model based integrated manufacturing

ISO/CD TS 10303-1310	Industrial automation systems and integration — Product data representation and exchange — Part 1310: Application module: Draughting element
ISO/CD TS 10303-1323	Industrial automation systems and integration — Product data representation and exchange — Part 1323: Application module: Basic geometric topology
ISO/CD TS 10303-1737	Industrial automation systems and integration — Product data representation and exchange — Part 1737: Application module: Printed physical layout template
ISO/CD TS 10303-1792	Industrial automation systems and integration — Product data representation and exchange — Part 1792: Application module: Sketch
TC 188	Small craft
ISO/CD 15085	Small craft — Man-overboard prevention and recovery
TC 190	Soil quality
ISO/CD 24212.2	Remediation techniques applied at contaminated sites
TC 204	Intelligent transport systems
ISO/DTS 7815-1	Intelligent transport systems — Telematics applications for regulated commercial freight vehicles (TARV) using ITS stations — Part 1: Secure vehicle interface framework and architecture
ISO/DTS 7815-2	Intelligent transport systems — Telematics applications for regulated commercial freight vehicles (TARV) using ITS stations — Part 2: Specification of the secure vehicle interface
TC 205	Building environment design
ISO 11855-1:2021/CD Amd 1	Building environment design — Embedded radiant heating and cooling systems — Part 1: Definitions, symbols, and comfort criteria — Amendment 1
TC 206	Fine ceramics
ISO/CD 5803	Fine ceramics (advanced ceramics, advanced technical ceramics) — Test methods for determination of monoclinic phase in zirconia
TC 215	Health informatics
ISO/CD 5477	Health Informatics — Interoperability of Public Health Emergency Preparedness and Response Information Systems –Business Rules, Terminology and Data Vocabulary
ISO/DTS 22218-2	Health Informatics — Ophthalmic examination device data — Part 2: Specular microscope
TC 219	Floor coverings
ISO/DTS 21868	Textile floor coverings — State of the art and guidance on maintenance and cleaning
TC 224	Drinking water, wastewater and storm-water systems and services
ISO/CD 24595	Guidelines on alternative water supply service (AWS) provision during a crisis for essential services, key establishments and facilities, and farms (animals).
ISO/CD 24596	Guidelines for the planning and implementation of water and wastewater systems' infrastructure hardening.
TC 227	Springs
ISO/CD 22705-3	Springs — Measurement and test parameters — Part 3: Cold formed cylindrical helical torsion springs
TC 262	Risk management
ISO/CD 31050	Guidance for managing emerging risks to enhance resilience
TC 268	Sustainable cities and communities

ISO/CD 37173	Smart city infrastructure — Development guidelines for information-based system of smart building
JTC 1	Information technology
ISO/IEC CD 5087-2	Information technology — City data model — Part 2: City level concepts
ISO/IEC CD 18092	Telecommunications and information exchange between systems — Near Field Communication — Interface and Protocol (NFCIP-1)
ISO/IEC CD 23917	Information technology — Telecommunications and information exchange between systems — NFCIP-1 Protocol test methods
ISO/IEC DTR 7052	Software engineering — Risk management during development and maintenance of custom software
ISO/IEC/IEEE CD 23026	Systems and software engineering — Engineering and management of websites for systems, software, and services information
ISO/IEC CD 25002.3	Systems and software engineering — Systems and software Quality Requirements and Evaluation (SQuaRE) — Quality models overview and usage
ISO/IEC CD 25010.2	Systems and software engineering — Systems and software Quality Requirements and Evaluation (SQuaRE) — Product quality model
ISO/IEC CD 25019.3	Systems and software engineering Systems and software Quality Requirements and Evaluation (SQuaRE) — Quality-in-use model
ISO/IEC 10373-1:2020/CD Amd 1	Cards and security devices for personal identification — Test methods — Part 1: General characteristics — Amendment 1: Use of peel strength test methods for ISO/IEC 7810 conformity testing
ISO/IEC DTS 12907	Programming languages — Technical Specification — C++ Extensions for Transactional Memory 2
ISO/IEC DTS 5147	Information technology — Guidelines for Representation and Visualization of Smart Cities
ISO/IEC CD 17823	Information technology — Office equipment — Colour terminology for office colour equipment
ISO/IEC CD 19763-1	Information technology — Metamodel framework for interoperability (MFI) — Part 1: Framework
ISO/IEC CD 19763-10	Information technology — Metamodel framework for interoperability (MFI) — Part 10: Core model and basic mapping
ISO/IEC CD 4944	Information technology — User interfaces — Evaluating usability of natural user interfaces
ISO/IEC CD 5152	Biometric performance estimation methodologies using statistical model
ISO/IEC CD 24741.2	Information technology — Biometrics — Overview and application
ISO/IEC CD 30108-2	Information technology — Biometric Identity Assurance Services — Part 2: REST-based implementation

They have been submitted to the ISO member bodies for voting by the date shown.		
* Available in English only		
		Vote terminates
TC 5	Ferrous metal pipes and metallic fittings	
ISO/DIS 24131-1	Internal protection by polymeric lining for ductile iron pipes — Part 1: polyurethane lining	2022-06-20
ISO/DIS 24131-2	Internal protection by polymeric lining for ductile iron pipes — Part 2: epoxy lining	2022-06-20
TC 8	Ships and marine technology	
ISO/DIS 24569	Ships and marine technology — External firefighting system test method	2022-06-09
ISO/DIS 4853	Ships and marine technology — A-frame launch and recovery system	2022-06-14
ISO/DIS 4864	Ships and marine technology — Jacking system appliances on self-elevating unit — General requirements	2022-06-14
ISO/DIS 23453	Ships and marine technology — Guidelines for the design and manufacture of the hub cap with fins for a fixed-pitch marine propeller	2022-06-07
TC 10	Technical product documentation	
ISO/DIS 6284	Construction drawings — Indication of limit deviations	2022-06-16
	(Revision of ISO 6284:1996)	
TC 20	Aircraft and space vehicles	
ISO/DIS 14625	Space systems — Ground support equipment for use at launch, landing or retrieval sites — General requirements (Revision of ISO 14625:2007)	2022-06-06
ISO/DIS 24355	General requirements of flight control system for civil small and light multirotor UAS	2022-06-09
TC 22	Road vehicles	
ISO/DIS 21994	Passenger cars — Stopping distance at straight-line braking with ABS — Open-loop test method (Revision of ISO 21994:2007)	2022-06-01
ISO/DIS 22135	Road vehicles — Heavy commercial vehicles and buses — Calculation method for steady state rollover	2022-06-02
ISO/DIS 22138	Heavy commercial vehicles — Vehicle stability during tipper body operation — Tilt-table test method	2022-06-16

## DIS circulated

Period from 01 March to 01 April 2022

These documents have obtained substantial support within the appropriate ISO technical committee.

ISO/DIS 6626-2	Internal combustion engines — Piston rings — Part 2: Coil-spring-loaded oil control rings of narrow width made of cast iron (Revision of ISO 6626-2:2013)	2022-06-22	ISO/DIS 12872	Olive oils and olive-pomace oils — Determination of the 2-glycerol monopalmitate content  (Revision of ISO 12872:2010)	2022-06-08
ISO/DIS 23820	Road vehicles — Determination of the filtration efficiency of urea filters	2022-06-20	ISO/DIS 23942	Determination of hydroxytyrosol and tyrosol content in extra virgin olive oils — Reverse phase high performance liquid chromatography (RP-HPLC) method (Revision of ISO/TS 23942:2020)	2022-06-06
ISO/DIS 15830-4	Road vehicles — Design and performance specifications for the WorldSID 50th percentile male side impact dummy — Part 4: User's manual (Revision of ISO 15830-4:2013)	2022-06-13	ISO/DIS 16578	Molecular biomarker analysis — Requirements for microarray detection of specific nucleic acid sequences (Revision of ISO 16578:2013)	2022-06-16
ISO/DIS 15500-13	Road vehicles — Compressed natural gas (CNG) fuel system components — Part 13: Pressure relief device (PRD) (Revision of ISO 15500-13:2012, ISO 15500-13:2012/Amd 1:2016)	2022-05-31	TC 35	Paints and varnishes	
ISO/DIS 20766-15	Road vehicles — Liquefied petroleum gas (LPG) fuel system components — Part 15: Excess flow valve	2022-06-06	ISO/DIS 4618	Paints and varnishes — Vocabulary  (Revision of ISO 4618:2014)	2022-06-06
ISO/DIS 23684	Road vehicles — Technical Personnel dealing with Natural Gas Vehicles (NGVs) — Training and qualification	2022-06-03	ISO/DIS 7142	Binders for paints and varnishes — Epoxy resins — General methods of test  (Revision of ISO 7142:2007)	2022-06-06
TC 23	Tractors and machinery for agriculture and forestry		ISO/DIS 22553-15	Paints and varnishes — Electrodeposition coatings — Part 15: Permeate residues	2022-06-07
ISO/DIS 3600	Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Operator's manuals — Content and format (Revision of ISO 3600:2015)	2022-06-09	ISO/DIS 22553-16	Paints and varnishes — Electrodeposition coatings — Part 16: Pigment-binder ratio	2022-06-07
TC 28	Petroleum and related products, fuels and lubricants from natural or synthetic sources		TC 37	Language and terminology	
ISO/DIS 3679	Determination of flash point – Method for flash no-flash and flash point by small scale closed cup tester (Revision of ISO 3679:2015)	2022-06-22	ISO/DIS 24620-4	Language resource management — Controlled human communication (CHC) — Part 4: Basic principles and methodology for Stylistic Guidelines in Localization (SGL)	2022-06-21
TC 34	Food products		TC 41	Pulleys and belts (including veebelts)	
ISO/DIS 734	Oilseed meals — Determination of oil content — Extraction method with hexane (or light petroleum) (Revision of ISO 734:2015)	2022-06-08	ISO/DIS 7623	Steel cord conveyor belts — Cord-to-coating bond test — Initial test and after thermal treatment (Revision of ISO 7623:2015)	2022-06-16
ISO/DIS 22935-1	Milk and milk products — Sensory analysis — Part 1: General guidance for the recruitment, selection, training and monitoring of assessors (Revision of ISO 22935-1:2009)	2022-06-14	TC 42	Photography	
ISO/DIS 22935-2	Milk and milk products — Sensory analysis — Part 2: Recommended methods for sensory evaluation (Revision of ISO 22935-2:2009)	2022-06-14	ISO/DIS 18937-1	Imaging materials — Photographic reflection prints — Methods for measuring indoor light stability — Part 1: General guidance (Revision of ISO 18937:2020)	2022-06-13
ISO/DIS 22935-3	Milk and milk products — Sensory analysis — Part 3: Guidance on a method for evaluation of compliance with product specifications for sensory properties by scoring (Revision of ISO 22935-3:2009)	2022-06-14	ISO/DIS 18937-2	Imaging materials — Photographic reflection prints — Methods for measuring indoor light stability — Part 2: Xenon-arc lamp exposure (Revision of ISO 18937:2020)	2022-06-20
			TC 44	Welding and allied processes	
			ISO/DIS 24394	Welding for aerospace applications — Qualification test for welders and welding operators — Fusion welding of metallic components (Revision of ISO 24394:2018)	2022-06-07

TC 45	Rubber and rubber products		ISO/DIS 23794	Rubber, vulcanized or thermoplastic — Abrasion testing — Guidance  (Revision of ISO 23794:2015)	2022-06-13
TC 58	Gas cylinders		ISO/DIS 11623	Gas cylinders — Composite cylinders and tubes — Periodic inspection and testing  (Revision of ISO 11623:2015)	2022-06-01
TC 67	Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries		ISO/DIS 16961	Petroleum, petrochemical and natural gas industries — Internal coating and lining of steel storage tanks (Revision of ISO 16961:2015)	2022-06-07
TC 85	Nuclear energy, nuclear technologies, and radiological protection		ISO/DIS 20045	Measurement of the radioactivity in the environment – Air: tritium – Test Method using bubbler sampling	2022-06-13
			ISO/DIS 23588	Radiological protection — General requirements for proficiency tests for in vivo radiobioassay	2022-06-14
TC 92	Fire safety		ISO/DIS 20902-2	Fire test procedures for divisional elements that are typically used in oil, gas and petrochemical industries — Part 2: Additional procedures for pipe penetration and cable transit sealing systems	2022-06-21
			ISO/DIS 21843	Determination of the resistance to hydrocarbon pool fires of fire protection materials and systems for pressure vessels (Revision of ISO 21843:2018)	2022-06-22
TC 106	Dentistry		ISO/DIS 15854	Dentistry — Casting and base-plate waxes  (Revision of ISO 15854:2021)	2022-06-22
			ISO/DIS 3630-4	Dentistry — Endodontic instruments — Part 4: Auxiliary instruments  (Revision of ISO 3630-4:2009)	2022-06-09
TC 126	Tobacco and tobacco products		ISO/DIS 15592-3	Fine-cut tobacco and smoking articles made from it — Methods of sampling, conditioning and analysis — Part 3: Determination of total particulate matter of smoking articles using a routine analytical smoking machine, preparation for the determination of water and nicotine, and calculation of nicotine-free dry particulate matter (Revision of ISO 15592-3:2008)	2022-06-15

ISO/DIS 23906-2	Cigarettes — Determination of benzo[a]pyrene in cigarette mainstream smoke with an intense smoking regime using GC/MS — Part 2: Method using cyclohexane as extraction solvent	2022-06-15	TC 130	Graphic technology	
			ISO/DIS 28178	Graphic technology — Exchange format for colour and process control data using XML or ASCII text (Revision of ISO 28178:2009)	2022-06-16
			TC 131	Fluid power systems	
			ISO/DIS 23369	Hydraulic fluid power — Multipass method of evaluating filtration performance of a filter element under cyclic flow conditions (Revision of ISO 23369:2021)	2022-06-03
			TC 138	Plastics pipes, fittings and valves for the transport of fluids	
			ISO/DIS 23627	Plastics piping systems for non-pressure underground drainage and sewerage – Steel-Reinforced-Polyethylene (SRPE) – Corrugated Pipes and fittings	2022-06-22
			TC 153	Valves	
			ISO/DIS 5115	Industrial valves — Part-turn valve actuation	2022-06-15
			ISO/DIS 5117	Automatic steam traps — Production and performance characteristic tests  (Revision of ISO 6948:1981, ISO 7841:1988, ISO 7842:1988)	2022-06-09
			TC 156	Corrosion of metals and alloys	
			ISO/DIS 10062	Corrosion tests in artificial atmosphere at very low concentrations of polluting gas(es)  (Revision of ISO 10062:2006)	2022-06-09
			TC 159	Ergonomics	
			ISO/DIS 25062	Systems and software engineering — Systems and Software Quality Requirements and Evaluation (SQuaRE) — Common Industry Format (CIF) for usability: Quantitative usability test report (Revision of ISO/IEC 25062:2006)	2022-06-09
			TC 162	Doors, windows and curtain walling	
			ISO/DIS 24084	Curtain walling — Inter-storey displacement resistance — Test method	2022-06-17
			TC 163	Thermal performance and energy use in the built environment	
			ISO/DIS 52000-3	Energy performance of buildings — Overarching EPB assessment — Part 3: General Principles for determination and reporting of Primary Energy Factors (PEF) and CO2 emission coefficients	2022-06-16

TC 172	Optics and photonics	ISO/DIS 4825-1	Fine ceramics (advanced ceramics, advanced technical ceramics) — Test method for thermal property measurements of metalized ceramic substrates — Part 1: Evaluation of thermal resistance for use in power modules	2022-06-02
ISO/DIS 11382	Optics and photonics — Optical materials and components — Characterization of optical materials used in the infrared spectral range from 0,78 µm to 25 µm (Revision of ISO 11382:2010)			2022-05-31
ISO/DIS 23701	Optics and photonics — Laser and laser-related equipment — Photothermal technique for absorption measurement and mapping of optical laser components			2022-06-17
TC 184	Automation systems and integration	TC 207	Environmental management	
ISO/DIS 23704-3	General requirements for cyber-physically controlled smart machine tool systems (CPSMT) — Part 3: Reference architecture of CPSMT for additive manufacturing	ISO/DIS 14002-2	Environmental management systems — Guidelines for using ISO 14001 to address environmental aspects and conditions within an environmental topic area — Part 2: Water	2022-06-15
ISO/DIS 8000-51	Data quality — Part 51: Data governance: Exchange of data policy statements	ISO/DIS 14020	Environmental statements and programmes for products - Principles and general requirements (Revision of ISO 14020:2000)	2022-06-20
ISO/DIS 8000-117	Data quality — Part 117: Application of ISO 8000-115 to identifiers in distributed ledgers including blockchains	ISO/DIS 14093	Mechanism for financing local adaptation to climate change — Performance-based climate resilience grants — Requirements and guidelines	2022-06-16
ISO/DIS 10303-238	Industrial automation systems and integration — Product data representation and exchange — Part 238: Application protocol: Model based integrated manufacturing (Revision of ISO 10303-238:2020)	TC 227	Springs	
TC 188	Small craft	ISO/DIS 22705-2	Springs — Measurement and test parameters — Part 2: Cold formed cylindrical helical extension springs	2022-06-15
ISO 11591:2020/DAmD 1	Small craft — Field of vision from the steering position — Amendment 1: Title missing	TC 249	Traditional Chinese medicine	
TC 193	Natural gas	ISO/DIS 4564	Traditional Chinese Medicine — Scutellaria baicalensis root	2022-05-31
ISO/DIS 2613-1	Analysis of natural gas — Silicon content of biomethane — Part 1: Determination of total silicon content by AES	TC 282	Water reuse	
TC 195	Building construction machinery and equipment	ISO/DIS 22519	Membrane based generation of WFI (Revision of ISO 22519:2019)	2022-06-13
ISO/DIS 6085	Building construction machinery and equipment — Self-loading mobile concrete mixers — Safety requirements and verification	TC 292	Security and resilience	
TC 199	Safety of machinery	ISO/DIS 22378	Security and resilience — Authenticity, integrity and trust for products and documents — Guidelines for interoperable object identification and related authentication systems to deter counterfeiting and illicit trade (Revision of ISO 16678:2014)	2022-06-15
ISO/DIS 14119.2	Safety of machinery — Interlocking devices associated with guards — Principles for design and selection (Revision of ISO 14119:2013)	JTC 1	Information technology	
TC 206	Fine ceramics	ISO/IEC DIS 5087-1	Information technology — City data model — Part 1: Foundation level concepts	2022-06-09
ISO/DIS 3169	Fine ceramics (advanced ceramics, advanced technical ceramics) — Methods for chemical analysis of impurities in aluminium oxide powders using inductively coupled plasma-optical emission spectrometry	ISO/IEC/IEEE DIS 15288	Systems and software engineering — System life cycle processes (Revision of ISO/IEC/IEEE 15288:2015)	2022-06-21
		ISO/IEC DIS 23465-1	Card and security devices for personal identification — Programming interface for security devices — Part 1: Introduction and architecture description	2022-06-09

ISO/IEC 20008-2:2013/DAmD 2	Information technology — Security techniques — Anonymous digital signatures — Part 2: Mechanisms using a group public key — Amendment 2	2022-06-03
ISO/IEC DIS 27035-1	Information technology – Information security incident management — Part 1: Principles and process (Revision of ISO/IEC 27035-1:2016)	2022-06-06
ISO/IEC 24790:2017/DAmD 1	Information technology — Office equipment — Measurement of image quality attributes for hardcopy output — Monochrome text and graphic images — Amendment 1	2022-06-17
ISO/IEC 23000-19:2020/DAmD 3	Information technology — Multimedia application format (MPEG-A) — Part 19: Common media application format (CMAF) for segmented media — Amendment 3: 8K HEVC, 4K HFR HEVC and Chroma Location for CMAF	2022-06-07
ISO/IEC DIS 16388	Information technology — Automatic identification and data capture techniques — Code 39 bar code symbology specification (Revision of ISO/IEC 16388:2007)	2022-06-20
ISO/IEC DIS 22603-2	Information technology — Digital representation of product information — Part 2: Requirements for electronic devices with integral display	2022-06-03
ISO/IEC DIS 19075-9	Information technology — Guidance for the use of database language SQL — Part 9: Online analytic processing (OLAP) capabilities (Revision of ISO/IEC TR 19075-9:2020)	2022-06-21
<b>FDIS circulated</b>		
Period from 01 March to 01 April 2022		
These Final draft International Standards have been submitted to the ISO member bodies for formal approval by the date shown		
* Available in English only		
TC 4	Rolling bearings	
ISO 3245:2015/FDAmD 1	Rolling bearings — Needle roller bearings with drawn cup and without inner ring — Boundary dimensions, geometrical product specifications (GPS) and tolerance values — Amendment 1: Measuring and verification methods	2022-05-11
TC 6	Paper, board and pulps	

ISO/PRF 24215	Lignins — Determination of carbohydrate composition in kraft lignin, soda lignin and hydrolysis lignin	
TC 8	Ships and marine technology	
ISO/PRF TS 23860	Ships and marine technology — Vocabulary related to autonomous ship systems	
ISO/FDIS 24225	Ships and marine technology — Pneumatic quick-closing control devices	2022-05-19
ISO/FDIS 24319	Ships and marine technology — Design and test requirements for small steel hatches using electrical trace heating	2022-05-26
TC 17	Steel	
ISO/FDIS 4954	Steels for cold heading and cold extruding (Revision of ISO 4954:2021)	2022-04-26
TC 20	Aircraft and space vehicles	
ISO/FDIS 14302	Space systems — Electromagnetic compatibility requirements (Revision of ISO 14302:2002)	2022-05-27
ISO/FDIS 21442	Space systems — General requirements for control engineering	2022-05-04
ISO/FDIS 23312	Space systems — Detailed space debris mitigation requirements for spacecraft (Revision of ISO 16164:2015, ISO 26872:2019, ISO 23339:2010, ISO 16127:2014)	2022-05-27
ISO/FDIS 24330	Space systems — Rendezvous and Proximity Operations (RPO) and On Orbit Servicing (OOS) — Programmatic principles and practices	2022-05-20
ISO/FDIS 26870	Space systems — Launch pad and integration site operational documents (Revision of ISO 26870:2009)	2022-05-27
TC 22	Road vehicles	
ISO/FDIS 13209-3	Road vehicles — Open Test sequence eXchange format (OTX) — Part 3: Standard extensions and requirements (Revision of ISO 13209-3:2012)	2022-05-25
ISO/FDIS 22900-2	Road vehicles — Modular vehicle communication interface (MVCI) — Part 2: Diagnostic protocol data unit (D-PDU API) (Revision of ISO 22900-2:2017)	2022-05-02
ISO 26021-3	Road vehicles — End-of-life activation of in-vehicle pyrotechnic devices — Part 3: Data definitions (Revision of ISO 26021-2:2008, ISO 26021-3:2009, ISO 26021-4:2009, ISO 26021-2:2008/Cor 1:2009, ISO 26021-1:2008, ISO 26021-5:2009)	

ISO 4091:2003/PRF Amd 1	Road vehicles — Connectors for the electrical connection of towing and towed vehicles — Definitions, tests and requirements — Amendment 1		TC 34	Food products	
			ISO/PRF TS 12788	Rapeseed — Determination of glucosinolate content — Spectrometric method for total glucosinolates by glucose release	
ISO/FDIS 15037-3	Road vehicles — Vehicle dynamics test methods — Part 3: General conditions for passenger cars ride comfort tests	2022-05-03	ISO/FDIS 24052	Spices and condiments — Dried sumac — Specification	2022-05-09
ISO/PRF 22139	Heavy commercial vehicles and buses — Test method for steering effort measurement when manoeuvring at low speed or with stationary vehicle		ISO/PRF 22003-1	Food safety — Part 1: Requirements for bodies providing audit and certification of food safety management systems (Revision of ISO/TS 22003:2013)	
ISO/PRF PAS 22596	Road vehicles — Brake lining friction materials — Dynamometer metal pick-up generation procedure for disc brakes		ISO/PRF 22003-2	Food safety — Part 2: Requirements for bodies providing evaluation and certification of products, processes and services, including an audit of the food safety system	
ISO/FDIS 4513	Road vehicles — Visibility — Method for establishment of eye-ellipses for driver's eye location	2022-05-13	TC 35	Paints and varnishes	
	(Revision of ISO 4513:2010)		ISO/PRF TR 11594	Best practices for the creation/evaluation of fingerprint analysis in accordance with the ISO 28199 series	
ISO/FDIS 23828	Fuel cell road vehicles — Energy consumption measurement — Vehicles fuelled with compressed hydrogen (Revision of ISO 23828:2013)	2022-04-26	ISO/FDIS 19403-1	Paints and varnishes — Wettability — Part 1: Vocabulary and general principles	2022-05-04
ISO/FDIS 13063-1	Electrically propelled mopeds and motorcycles — Safety specifications — Part 1: On-board rechargeable energy storage system (RESS) (Revision of ISO 13063:2012)	2022-05-17		(Revision of ISO 19403-1:2017)	
ISO/FDIS 13063-2	Electrically propelled mopeds and motorcycles — Safety specifications — Part 2: Vehicle operational safety (Revision of ISO 13063:2012)	2022-05-17	TC 37	Language and terminology	
			ISO/FDIS 12199	Alphabetical ordering of multilingual terminological and lexicographical data represented in the Latin alphabet (Revision of ISO 12199:2000)	2022-05-12
TC 23	Tractors and machinery for agriculture and forestry		TC 38	Textiles	
			ISO/FDIS 24461	Textiles — Anti-mosquito performance test method using the attractive blood-feeding apparatus	2022-05-04
ISO/FDIS 24120-1	Agricultural irrigation equipment — Guideline on the implementation of pressurized irrigation systems — Part 1: General principles of irrigation	2022-05-27	ISO/FDIS 24584	Textiles — Smart textiles — Test method for sheet resistance of conductive textiles using non-contact type	2022-05-17
ISO/PRF 11783-13	Tractors and machinery for agriculture and forestry — Serial control and communications data network — Part 13: File server (Revision of ISO 11783-13:2011)		TC 42	Photography	
			ISO/PRF TR 12231-2	Photography — Electronic still picture imaging terminology — Part 2: Other defined terms	
TC 30	Measurement of fluid flow in closed conduits		TC 44	Welding and allied processes	
			ISO/FDIS 17636-1	Non-destructive testing of welds — Radiographic testing — Part 1: X- and gamma-ray techniques with film (Revision of ISO 17636-1:2013)	2022-05-24
ISO/FDIS 5167-1	Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full — Part 1: General principles and requirements (Revision of ISO 5167-1:2003)	2022-05-13	TC 45	Rubber and rubber products	
ISO/FDIS 5167-2	Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full — Part 2: Orifice plates (Revision of ISO 5167-2:2003)	2022-05-16	ISO/FDIS 34-1	Rubber, vulcanized or thermoplastic — Determination of tear strength — Part 1: Trouser, angle and crescent test pieces (Revision of ISO 34-1:2015)	2022-05-23
ISO/FDIS 9300	Measurement of gas flow by means of critical flow nozzles	2022-05-16	ISO/FDIS 34-2	Rubber, vulcanized or thermoplastic — Determination of tear strength — Part 2: Small (Delft) test pieces (Revision of ISO 34-2:2015)	2022-05-23
	(Revision of ISO 9300:2005)				

ISO/FDIS 1431-1	Rubber, vulcanized or thermoplastic — Resistance to ozone cracking — Part 1: Static and dynamic strain testing (Revision of ISO 1431-1:2012)	2022-05-24	ISO/TS 28660	Plastics — Determination of J-R curves — Fracture toughness	
ISO/FDIS 1817	Rubber, vulcanized or thermoplastic — Determination of the effect of liquids (Revision of ISO 1817:2015)	2022-05-04	ISO/FDIS 1133-1	Plastics — Determination of the melt mass-flow rate (MFR) and melt volume-flow rate (MVR) of thermoplastics — Part 1: Standard method (Revision of ISO 1133-1:2011)	2022-05-24
ISO/FDIS 5794-1	Rubber compounding ingredients — Silica, precipitated, hydrated — Part 1: Non-rubber tests (Revision of ISO 5794-1:2010)	2022-05-09	ISO/FDIS 22007-2	Plastics — Determination of thermal conductivity and thermal diffusivity — Part 2: Transient plane heat source (hot disc) method (Revision of ISO 22007-2:2015)	2022-05-06
TC 46	Information and documentation		ISO/FDIS 16152	Plastics — Determination of xylene-soluble matter in polypropylene (Revision of ISO 16152:2005)	2022-04-26
ISO/FDIS 24143	Information and documentation — Information Governance — Concept and principles	2022-04-26	ISO/FDIS 16396-2	Plastics — Polyamide (PA) moulding and extrusion materials — Part 2: Preparation of test specimens and determination of properties (Revision of ISO 16396-2:2017)	2022-05-23
ISO/FDIS 3297	Information and documentation — International standard serial number (ISSN) (Revision of ISO 3297:2020)	2022-05-26	ISO/FDIS 14899	Plastics — Polyols for use in the production of polyurethanes — Determination of basicity (Revision of ISO 14899:2001)	2022-05-06
TC 48	Laboratory equipment		TC 67	Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries	
ISO/FDIS 5215	Laboratory plastic ware — Volumetric flasks	2022-04-27			
ISO/FDIS 23783-1	Automated liquid handling systems — Part 1: Vocabulary and general requirements (Revision of IWA 15:2015)	2022-05-19	ISO/FDIS 3421	Petroleum and natural gas industries — Drilling and production equipment — Offshore conductor design, setting depth and installation	2022-04-26
ISO/FDIS 23783-2	Automated liquid handling systems — Part 2: Measurement procedures for the determination of volumetric performance (Revision of IWA 15:2015)	2022-05-18	ISO/FDIS 19901-2	Petroleum and natural gas industries — Specific requirements for offshore structures — Part 2: Seismic design procedures and criteria (Revision of ISO 19901-2:2017)	2022-05-11
ISO/FDIS 23783-3	Automated liquid handling systems — Part 3: Determination, specification and reporting of volumetric performance (Revision of IWA 15:2015)	2022-05-17	TC 70	Internal combustion engines	
TC 58	Gas cylinders				
ISO/FDIS 23876	Gas cylinders — Cylinders and tubes of composite construction — Acoustic emission examination (AT) for periodic inspection and testing	2022-05-10	ISO/FDIS 7967-12	Reciprocating internal combustion engines — Vocabulary of components and systems — Part 12: Exhaust emission control systems (Revision of ISO 7967-12:2014)	2022-05-19
TC 59	Buildings and civil engineering works		TC 79	Light metals and their alloys	
ISO/FDIS 12006-3	Building construction — Organization of information about construction works — Part 3: Framework for object-oriented information (Revision of ISO 12006-3:2007)	2022-05-06	ISO/FDIS 18768-1	Organic coatings on aluminium and its alloys — Methods for specifying decorative and protective organic coatings on aluminium — Part 1: Powder coatings	2022-04-27
ISO/FDIS 21931-1	Sustainability in buildings and civil engineering works — Framework for methods of assessment of the environmental, social and economic performance of construction works as a basis for sustainability assessment — Part 1: Buildings (Revision of ISO 21931-1:2010)	2022-05-27	ISO/FDIS 18768-2	Organic coatings on aluminium and its alloys — Methods for specifying decorative and protective organic coatings on aluminium — Part 2: Liquid coatings	2022-04-27
TC 61	Plastics				

ISO/PRF 4155	Magnesium and magnesium alloys — Determination of nickel — Inductively coupled plasma optical emission spectrometric method		ISO/FDIS 6363-6	Wrought aluminium and aluminium alloys — Cold-drawn rods/bars, tubes and wires — Part 6: Tolerances on form and dimensions for drawn round tubes (Revision of ISO 6363-6:2012)	2022-05-25	ISO/FDIS 16628	Anaesthetic and respiratory equipment — Tracheobronchial tubes	2022-05-10	ISO/FDIS 13268	Thermoplastics piping systems for non-pressure underground drainage and sewerage — Thermoplastics shafts or risers for inspection chambers and manholes — Determination of ring stiffness (Revision of ISO 13268:2010)	2022-05-11
ISO/FDIS 6362-1	Wrought aluminium and aluminium alloys — Extruded rods/bars, tubes and profiles — Part 1: Technical conditions for inspection and delivery (Revision of ISO 6362-1:2012)	2022-05-25	TC 86	Refrigeration and air-conditioning		ISO/PRF 23372	Anaesthetic and respiratory equipment — Air entrainment devices		ISO 15874-1:2013/FDAmD 1	Plastics piping systems for hot and cold water installations — Polypropylene (PP) — Part 1: General — Amendment 1: Impact test	2022-05-18
ISO/FDIS 6362-2	Wrought aluminium and aluminium alloys — Extruded rods/bars, tubes and profiles — Part 2: Mechanical properties (Revision of ISO 6362-2:2014)	2022-05-25	ISO/FDIS 16494-1	Heat recovery ventilators and energy recovery ventilators — Method of test for performance — Part 1: Development of metrics for evaluation of energy related performance (Revision of ISO 16494:2014)	2022-05-18	ISO/FDIS 18778	Respiratory equipment — Particular requirements for basic safety and essential performance of infant cardiorespiratory monitors (Revision of ISO 18778:2005)	2022-05-16	ISO 15874-2:2013/FDAmD 2	Plastics piping systems for hot and cold water installations — Polypropylene (PP) — Part 2: Pipes — Amendment 2: Impact test	2022-05-18
ISO/FDIS 6362-3	Wrought aluminium and aluminium alloys — Extruded rods/bars, tubes and profiles — Part 3: Tolerances on form and dimensions for extruded rectangular bars (Revision of ISO 6362-3:2012)	2022-05-25	TC 92	Fire safety		ISO/PRF TR 24188	Large outdoor fires and the built environment — Global overview of different approaches to standardization	2022-05-03	ISO/FDIS 11296-9	Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks — Part 9: Lining with a rigidly anchored plastics inner layer	2022-04-26
ISO/FDIS 6362-4	Wrought aluminium and aluminium alloys — Extruded rods/bars, tubes and profiles — Part 4: Tolerances on form and dimensions for profiles (Revision of ISO 6362-4:2012)	2022-05-25	ISO/FDIS 3182	Light measuring system for smoke emission testing	2022-05-06	TC 123	Plain bearings		TC 142	Cleaning equipment for air and other gases	
ISO/FDIS 6362-5	Wrought aluminium and aluminium alloys — Extruded rods/bars, tubes and profiles — Part 5: Tolerances on form and dimensions for round, square and hexagonal bars (Revision of ISO 6362-5:2012)	2022-05-25	ISO/TS 19850	Fire tests — Use of LED (light-emitting diode) as an alternative to white light for measuring smoke parameters		ISO/FDIS 7905-4.2	Plain bearings — Bearing fatigue — Part 4: Tests on half-bearings of a metallic multilayer bearing material (Revision of ISO 7905-4:1995)	2022-05-05	ISO/FDIS 29461-7	Air intake filter systems for rotary machinery — Test methods — Part 7: Filter element endurance test in fog and mist environments	2022-05-23
ISO/FDIS 6362-7	Wrought aluminium and aluminium alloys — Extruded rods/bars, tubes and profiles — Part 7: Chemical composition (Revision of ISO 6362-7:2014)	2022-05-25	TC 94	Personal safety -- Personal protective equipment		ISO/FDIS 20054	Plain bearings — Bearings containing dispersed solid lubricants (Revision of ISO 20054:2016)	2022-05-12	TC 146	Air quality	
ISO/FDIS 6363-1	Wrought aluminium and aluminium alloys — Cold-drawn rods/bars, tubes and wires — Part 1: Technical conditions for inspection and delivery (Revision of ISO 6363-1:2012)	2022-05-25	ISO/FDIS 12312-1	Eye and face protection — Sunglasses and related eyewear — Part 1: Sunglasses for general use (Revision of ISO 12312-1:2013, ISO 12312-1:2013/Amd 1:2015)	2022-05-02	TC 130	Graphic technology		ISO/FDIS 21438-1	Workplace atmospheres — Determination of inorganic acids by ion chromatography — Part 1: Non-volatile acids (sulfuric acid and phosphoric acid) (Revision of ISO 21438-1:2007)	2022-04-28
ISO/FDIS 6363-2	Wrought aluminium and aluminium alloys — Cold-drawn rods/bars and tubes and wires — Part 2: Mechanical properties (Revision of ISO 6363-2:2012)	2022-05-25	TC 102	Iron ore and direct reduced iron		ISO/FDIS 19445	Graphic technology — Metadata for graphic arts workflow — XMP metadata for image and document proofing (Revision of ISO 19445:2016)	2022-05-10	TC 147	Water quality	
ISO/FDIS 6363-3	Wrought aluminium and aluminium alloys — Cold-drawn rods/bars, tubes and wires — Part 3: Tolerances on form and dimensions for drawn rods/bars and wires (Revision of ISO 6363-3:2012)	2022-05-25	ISO/PRF 7992	Iron ores for blast furnace feedstocks — Determination of reduction under load (Revision of ISO 7992:2015)		TC 131	Fluid power systems		ISO/FDIS 23655-1	Water quality — Nickel-59 and nickel-63 — Part 1: Test method using liquid scintillation counting	2022-05-10
ISO/FDIS 6363-4	Wrought aluminium and aluminium alloys — Cold-drawn rods/bars, tubes and wires — Part 4: Tolerances on form and dimensions for drawn rectangular bars and wires (Revision of ISO 6363-4:2012)	2022-05-25	TC 106	Dentistry		ISO/FDIS 8133	Hydraulic fluid power — Mounting dimensions for accessories for single rod cylinders, 16 MPa (160 bar) compact series (Revision of ISO 8133:2014)	2022-05-02	ISO/FDIS 23655-2	Water quality — Nickel-59 and nickel-63 — Part 2: Test method using ICP-MS	2022-05-10
ISO/FDIS 6363-5	Wrought aluminium and aluminium alloys — Cold-drawn rods/bars, tubes and wires — Part 5: Tolerances on form and dimensions for drawn square and hexagonal bars and wires (Revision of ISO 6363-5:2012)	2022-05-25	ISO/FDIS 7494-2	Dentistry — Stationary dental units and dental patient chairs — Part 2: Air, water, suction and wastewater systems (Revision of ISO 7494-2:2015)	2022-05-03	TC 132	Ferroalloys		TC 150	Implants for surgery	
			TC 107	Metallic and other inorganic coatings		ISO/FDIS 4298	Manganese ores and concentrates — Determination of manganese content — Potentiometric method (Revision of ISO 4298:1984)	2022-05-13	ISO 7206-13:2016/PRF Amd 1	Implants for surgery — Partial and total hip joint prostheses — Part 13: Determination of resistance to torque of head fixation of stemmed femoral components — Amendment 1	
			ISO/FDIS 4528	Vitreous and porcelain enamel finishes — Selection of test methods for vitreous and porcelain enamelled areas of articles (Revision of ISO 4528:2015)	2022-05-11	TC 138	Plastics pipes, fittings and valves for the transport of fluids		TC 156	Corrosion of metals and alloys	
			TC 108	Mechanical vibration, shock and condition monitoring		ISO/FDIS 13266	Thermoplastics piping systems for non-pressure underground drainage and sewerage — Thermoplastics shafts or risers for inspection chambers and manholes — Determination of resistance against surface and traffic loading (Revision of ISO 13266:2010)	2022-05-11	ISO/PRF 24239	Corrosion of metals and alloys — Corrosion control engineering life cycle in fossil fuel power plants — General requirements	
			ISO 21940-11:2016/PRF Amd 1	Mechanical vibration — Rotor balancing — Part 11: Procedures and tolerances for rotors with rigid behaviour — Amendment 1		ISO/FDIS 13267	Thermoplastics piping systems for non-pressure underground drainage and sewerage — Thermoplastics inspection chamber and manhole bases — Test methods for buckling resistance (Revision of ISO 13267:2010)	2022-05-11	TC 163	Thermal performance and energy use in the built environment	
			ISO 21940-14:2012/PRF Amd 1	Mechanical vibration — Rotor balancing — Part 14: Procedures for assessing balance errors — Amendment 1					ISO/FDIS 12241	Thermal insulation for building equipment and industrial installations — Calculation rules (Revision of ISO 12241:2008)	2022-04-28
			TC 121	Anaesthetic and respiratory equipment					TC 165	Timber structures	

ISO/PRF TR 21141	Timber structures — Timber connections and assemblies — Determination of yield and ultimate characteristics and ductility from test data		(Revision of ISO/TS 8000-150:2011)	
TC 172	Optics and photonics	TC 189	Ceramic tile	
ISO 9022-3	Optics and photonics — Environmental test methods — Part 3: Mechanical stress (Revision of ISO 9022-3:2015)	ISO/FDIS 10545-20	Ceramic tiles — Part 20: Determination of deflection of ceramic tiles for calculating their radius of curvature	2022-05-04
ISO/PRF 9802	Raw optical glass — Vocabulary	TC 190	Soil quality	
	(Revision of ISO 9802:1996, ISO 9802:1996/Cor 1:2005)	ISO/FDIS 11271	Soil quality — Determination of redox potential — Field method	2022-05-25
ISO/PRF 17123-6	Optics and optical instruments — Field procedures for testing geodetic and surveying instruments — Part 6: Rotating lasers (Revision of ISO 17123-6:2012)		(Revision of ISO 11271:2002)	
ISO/TS 22247	Optics and photonics — Effective numerical aperture of laser lenses — Definition and verification procedure	TC 194	Biological and clinical evaluation of medical devices	
TC 173	Assistive products	ISO 10993-18:2020/PRF Amd 1	Biological evaluation of medical devices — Part 18: Chemical characterization of medical device materials within a risk management process — Amendment 1: Determination of the uncertainty factor	
ISO/FDIS 20342-1	Assistive products for tissue integrity when lying down — Part 1: General requirements	TC 198	Sterilization of health care products	2022-05-25
	(Revision of ISO 20342-1:2019)	ISO 11137-2:2013/FDAmd 1	Sterilization of health care products — Radiation — Part 2: Establishing the sterilization dose — Amendment 1	2022-04-28
ISO/PRF 16840-11	Wheelchair seating — Part 11: The determination of dissipation characteristics of sensible perspiration into seat cushions (Revision of ISO/TS 16840-11:2014)	TC 201	Surface chemical analysis	
TC 182	Geotechnics	ISO/FDIS 23170	Surface chemical analysis — Depth profiling — Non-destructive depth profiling of nanoscale heavy metal oxide thin films on Si substrates with medium energy ion scattering	2022-05-23
ISO 17892-1:2014/PRF Amd 1	Geotechnical investigation and testing — Laboratory testing of soil — Part 1: Determination of water content — Amendment 1	ISO/FDIS 23729	Surface chemical analysis — Atomic force microscopy — Guideline for restoration procedure for atomic force microscopy images dilated by finite probe size	2022-05-10
TC 184	Automation systems and integration	TC 204	Intelligent transport systems	
ISO/FDIS 23218-1	Industrial automation systems and integration — Numerical control systems for machine tools — Part 1: Requirements for numerical control systems	ISO/TR 4447	Intelligent transport systems — Mobility integration — Comparison of two mainstream integrated mobility concepts	
ISO/FDIS 23704-1	General requirements for cyber-physically controlled smart machine tool systems (CPSMT) — Part 1: Overview and fundamental principles	TC 206	Fine ceramics	
ISO/FDIS 23704-2	General requirements for cyber-physically controlled smart machine tool systems (CPSMT) — Part 2: Reference architecture of CPSMT for subtractive manufacturing	ISO 5712	Fine ceramics (advanced ceramics, advanced technical ceramics) — Method for measuring the power generation characteristics of piezoelectric resonant devices for stand-alone power sources	2022-05-24
ISO 8000-1	Data quality — Part 1: Overview	ISO/FDIS 20507	Fine ceramics (advanced ceramics, advanced technical ceramics) — Vocabulary	2022-05-10
	(Revision of ISO/TS 8000-1:2011)		(Revision of ISO 20507:2014)	
ISO 8000-64	Data quality — Part 64: Data quality management: Organizational process maturity assessment: Application of the Test Process Improvement method	TC 207	Environmental management	
ISO/PRF 8000-150	Data quality — Part 150: Data quality management: Roles and responsibilities	ISO/FDIS 14015	Environmental management — Guidelines for environmental due diligence assessment	2022-05-10
			(Revision of ISO 14015:2001)	
		ISO/FDIS 14017	Environmental management — Requirements with guidance for verification and validation of water statements	2022-05-18

TC 211	Geographic information/ Geomatics	ISO/FDIS 37181	Smart community infrastructures — Smart transportation by autonomous vehicles on public roads	2022-05-13
ISO/FDIS 19105	Geographic information — Conformance and testing	ISO/FDIS 37182	Smart community infrastructures — Smart transportation for fuel efficiency and pollution emission reduction in bus transportation services	2022-05-17
	(Revision of ISO 19105:2000)	TC 269	Railway applications	
TC 213	Dimensional and geometrical product specifications and verification	ISO/FDIS 4975	Railway applications — Braking system — Quality of compressed air for pneumatic apparatus and systems	2022-05-13
ISO/FDIS 1	Geometrical product specifications (GPS) — Standard reference temperature for the specification of geometrical and dimensional properties (Revision of ISO 1:2016)	TC 306	Foundry machinery	
TC 217	Cosmetics	ISO/FDIS 23062	Foundry machinery — Safety requirements for molding and coremaking machinery and associated equipment	2022-05-25
ISO/FDIS 24442	Cosmetics — Sun protection test methods — In vivo determination of sunscreen UVA protection	TC 307	Blockchain and distributed ledger technologies	
	(Revision of ISO 24442:2011)	ISO/PRF TR 23249	Blockchain and distributed ledger technologies – Overview of existing DLT systems for identity management	
TC 219	Floor coverings	TMBG	Technical Management Board - groups	
ISO/PRF 4760	Laminate flooring — Topical moisture resistance — Assembled joint	PRF IWA 36	Guidelines for contactless delivery services	
TC 229	Nanotechnologies	PRF IWA 40	Guidelines for virtual kitchen services	
ISO/PRF TR 23463	Nanotechnologies — Characterization of carbon nanotube and carbon nanofibre aerosols to be used in inhalation toxicity tests	JTC 1	Information technology	
TC 244	Industrial furnaces and associated processing equipment	ISO/IEC PRF 17826	Information technology — Cloud Data Management Interface (CDMI) Version 2.0.0 (Revision of ISO/IEC 17826:2016)	
ISO/FDIS 13577-4	Industrial furnaces and associated processing equipment — Safety — Part 4: Protective systems (Revision of ISO 13577-4:2014)	ISO/IEC FDIS 20897-2	Information security, cybersecurity and privacy protection — Physically unclonable functions — Part 2: Test and evaluation methods	2022-05-02
TC 249	Traditional Chinese medicine	ISO/IEC PRF TR 22216	Information security, cybersecurity and privacy protection — New concepts and changes in ISO/IEC 15408:— and ISO/IEC 18045:—	
ISO/TS 6304	Traditional Chinese medicine — Categorical structure for disorders	ISO/IEC FDIS 27036-2	Cybersecurity — Supplier relationships — Part 2: Requirements	2022-05-23
ISO/FDIS 23963-1	Traditional Chinese medicine — Requirements for process traceability systems in Chinese materia medica and decoction pieces — Part 1: Components		(Revision of ISO/IEC 27036-2:2014)	
ISO/FDIS 24571	Traditional Chinese medicine — General requirements for the basic safety and essential performance of electro-acupuncture stimulators	ISO/IEC 14496-30:2018/FDAmd 1	Information technology — Coding of audio-visual objects — Part 30: Timed text and other visual overlays in ISO base media file format — Amendment 1: Timing improvements	2022-05-27
TC 268	Sustainable cities and communities	ISO/IEC FDIS 23001-18	Information technology — MPEG systems technologies — Part 18: Event message track format for the ISO base media file format	2022-05-17
ISO/FDIS 37110	Sustainable cities and communities — Management requirements and recommendations for open data for smart cities and communities — Overview and general principles	ISO/IEC FDIS 23093-3	Information technology — Internet of media things — Part 3: Media data formats and APIs	2022-05-12
ISO/FDIS 37168	Smart community infrastructures — Guidance on smart transportation by Electric, Connected and Autonomous Vehicles (eCAVs) and its application to on-demand responsive passenger services with shared vehicles		(Revision of ISO/IEC 23093-3:2019)	



ISO/IEC PRF 23941		Information technology — Automatic identification and data capture techniques — Rectangular Micro QR Code (rMQR) bar code symbology specification	
ISO/IEC PRF TR 24244		Automatic identification and data capture techniques — Bar code print quality test specification — Evolution of the grading and measurement of linear symbols in ISO/IEC 15416	
ISO/IEC PRF 24458		Information technology – Automatic identification and data capture techniques – Bar code printer and bar code reader performance testing specification	
ISO/IEC FDIS 5218	2022-05-03	Information technology — Codes for the representation of human sexes  (Revision of ISO/IEC 5218:2004)	
ISO/IEC PRF 17549-1		Information technology — User interface requirements and recommendations on menu navigation — Part 1: Framework	
ISO/IEC PRF 20071-5		Information technology — User interface component accessibility — Part 5: Accessible user interfaces for accessibility settings on information devices	
ISO/IEC PRF 29138-3		Information technology — User interface accessibility — Part 3: Requirements and recommendations on user needs mapping (Revision of ISO/IEC TR 29138-3:2009)	
ISO/IEC FDIS 22989	2022-05-02	Information technology — Artificial intelligence — Artificial intelligence concepts and terminology	
ISO/IEC FDIS 23053	2022-05-02	Framework for Artificial Intelligence (AI) Systems Using Machine Learning (ML)	

## Standards published

New International Standards published between 01 March and 01 April 2022

- <sup>1</sup> delayed publication of language version  
<sup>2</sup> corrected version  
<sup>3</sup> multilingual document

			Price group
TC 4		Rolling bearings	
ISO 3030:2022	en fr	Rolling bearings — Radial needle roller and cage assemblies — Boundary dimensions, geometrical product specifications (GPS) and tolerance values	B

TC 6		Paper, board and pulps	
ISO 638-1:2022	en fr	Paper, board, pulps and cellulosic nanomaterials — Determination of dry matter content by oven-drying method — Part 1: Materials in solid form	B
ISO 638-2:2022	en fr	Paper, board, pulps and cellulosic nanomaterials — Determination of dry matter content by oven-drying method — Part 2: Suspensions of cellulosic nanomaterials	B
ISO 11093-4:2022	en fr	Paper and board — Testing of cores — Part 4: Measurement of dimensions	C
TC 8		Ships and marine technology	
ISO 23575:2022	en	Ships and marine technology — Marine securing devices for ro-ro cargoes	E
ISO 22834:2022	en	Large yachts — Quality assessment of life onboard — Stabilization and sea keeping	C
TC 10		Technical product documentation	
IEC 81346-1:2022		Industrial systems, installations and equipment and industrial products — Structuring principles and reference designations — Part 1: Basic rules	BF
TC 17		Steel	
ISO 23213:2022	en	Carbon steel wire for bedding and seating springs	B
ISO 23717:2022	en	Steel wire and wire products — Hose reinforcement wire	B
TC 20		Aircraft and space vehicles	
ISO 14222:2022	en	Space environment (natural and artificial) — Earth's atmosphere from ground level upward	F
ISO 22893:2022	en	Space systems — Software product assurance (SPA)	B
ISO 23135:2022	en	Space systems — Verification programme and management process	E
TC 21		Equipment for fire protection and fire fighting	
ISO 7203-4:2022	en	Fire extinguishing media — Foam concentrates — Part 4: Specification for Class A foam concentrates for application on Class A fires	E
ISO 6183:2022	en	Fire protection equipment — Carbon dioxide extinguishing systems for use on premises — Design and installation	G
TC 22		Road vehicles	
ISO 14229-3:2022	en	Road vehicles — Unified diagnostic services (UDS) — Part 3: Unified diagnostic services on CAN implementation (UDSonCAN)	D

ISO/PAS 5112:2022	en	Road vehicles — Guidelines for auditing cybersecurity engineering	D
ISO 24195:2022	en	Road vehicles — Vocabulary and characteristics for engineering of starting devices	B
ISO 7141:2022	en	Road vehicles — Light alloy wheels — Lateral impact test	B
ISO 17840-1:2022	en fr	Road vehicles — Information for first and second responders — Part 1: Rescue sheet for passenger cars and light commercial vehicles	C
TC 23		Tractors and machinery for agriculture and forestry	
ISO 10448:2021	fr	Agricultural tractors — Hydraulic pressure for implements	A
ISO 11850:2011/ Amd 2:2022	en fr	Machinery for forestry — General safety requirements — Amendment 2: Access to operator's station and maintenance locations	XZ
ISO 11681-1:2022	en fr	Machinery for forestry — Portable chain-saw safety requirements and testing — Part 1: Chain-saws for forest service	D
ISO 11681-2:2022	en fr	Machinery for forestry — Portable chain-saw safety requirements and testing — Part 2: Chain-saws for tree service	E
ISO 22867:2021	fr	Forestry and gardening machinery — Vibration test code for portable hand-held machines with internal combustion engine — Vibration at the handles	E
TC 27		Coal and coke	
ISO 18283:2022	en	Coal and coke — Manual sampling	G
TC 28		Petroleum and related products, fuels and lubricants from natural or synthetic sources	
ISO 7507-2:2022	en fr	Petroleum and liquid petroleum products — Calibration of vertical cylindrical tanks — Part 2: Optical-reference-line method or electro-optical distance-ranging method	E
TC 34		Food products	
ISO 23319:2022	en	Cheese and processed cheese products, caseins and caseinates — Determination of fat content — Gravimetric method	C
ISO 22942-1:2022	en fr	Molecular biomarker analysis — Isothermal polymerase chain reaction (isoPCR) methods — Part 1: General requirements	F
TC 38		Textiles	
ISO 24040:2022	en	Textiles — Determination of certain benzotriazole compounds	B
TC 39		Machine tools	

ISO 230-10:2022	en fr	Test code for machine tools — Part 10: Determination of the measuring performance of probing systems of numerically controlled machine tools	G
ISO 26303:2022	en	Machine tools — Short-term capability evaluation of machining processes on metal-cutting machine tools	F
TC 41		Pulleys and belts (including veebelts)	
ISO 13050:2022	en	Synchronous belt drives — Metric pitch, curvilinear profile systems G, H, R and S, belts and pulleys	G
TC 44		Welding and allied processes	
ISO 9016:2022	en fr	Destructive tests on welds in metallic materials — Impact tests — Test specimen location, notch orientation and examination	B
TC 45		Rubber and rubber products	
ISO 4671:2022	en fr	Rubber and plastics hoses and hose assemblies — Methods of measurement of the dimensions of hoses and the lengths of hose assemblies	B
ISO 8330:2022	en fr	Rubber and plastics hoses and hose assemblies — Vocabulary	A
ISO 18752:2022	en fr	Rubber hoses and hose assemblies — Wire- or textile-reinforced single-pressure types for hydraulic applications — Specification	C
ISO 2782-1:2022	en fr	Rubber, vulcanized or thermoplastic — Determination of permeability to gases — Part 1: Differential-pressure methods	D
ISO 24376:2022	en	Rubber, raw natural — Guidelines and requirements for technically specified low-protein natural rubber	B
TC 46		Information and documentation	
ISO 15924:2022	en	Information and documentation — Codes for the representation of names of scripts	B
TC 54		Essential oils	
ISO 3520:2022	en fr	Essential oil of bergamot [Citrus bergamia Risso et Poit], Calabrian type	B
TC 58		Gas cylinders	
ISO 22434:2022	en fr	Gas cylinders — Inspection and maintenance of valves	B
TC 59		Buildings and civil engineering works	
ISO 4781:2022	en fr	Building and civil engineering sealants — Determination of application life	A
TC 61		Plastics	
ISO 489:2022	en fr	Plastics — Determination of refractive index	B



ISO 3146:2022	en fr	Plastics — Determination of melting behaviour (melting temperature or melting range) of semi-crystalline polymers by capillary tube and polarizing-microscope methods	B
ISO 11357-7:2022	en fr	Plastics — Differential scanning calorimetry (DSC) — Part 7: Determination of crystallization kinetics	B
ISO 11358-1:2022	en	Plastics — Thermogravimetry (TG) of polymers — Part 1: General principles	C
ISO 4765:2022	en	Chemically-induced ultra-weak photon emission (UPE) — Measurement as an analysis method of degradation of polymeric material	D
ISO 19712-3:2022	en fr	Plastics — Decorative solid surfacing materials — Part 3: Determination of properties — Solid surface shapes	F
ISO 21368:2022	en	Adhesives — Guidelines for the fabrication of adhesively bonded structures and reporting procedures suitable for the risk evaluation of such structures	H
ISO 2078:2022	en fr	Textile glass — Yarns — Designation	A
ISO 24360:2022	en	Composites and reinforcements fibres — Carbon fibre reinforced plastics (CFRPs) and metal assemblies — Determination of the cross tension strength	B
TC 67		Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries	
ISO 15590-3:2022	en	Petroleum and natural gas industries — Factory bends, fittings and flanges for pipeline transportation systems — Part 3: Flanges	C
ISO 10423:2022	en	Petroleum and natural gas industries — Drilling and production equipment — Wellhead and tree equipment	A
ISO/TS 12835:2022	en	Qualification of casing connections for thermal wells	H
ISO 19901-5:2021	fr	Petroleum and natural gas industries — Specific requirements for offshore structures — Part 5: Weight management	G
TC 72		Textile machinery and accessories	
ISO 8115-1:2022	en	Cotton bales — Part 1: Dimensions and density	A
ISO 8115-3:2022	en	Cotton bales — Part 3: Packaging and labelling	A
TC 76		Transfusion, infusion and injection, and blood processing equipment for medical and pharmaceutical use	

ISO 3749:2022	en	Glass syringes — Determination of extractable tungsten	B
ISO 8536-15:2022	en fr	Infusion equipment for medical use — Part 15: Light-protective infusion sets for single use	B
TC 83		Sports and other recreational facilities and equipment	
ISO 23537-1:2022	en	Requirements for sleeping bags — Part 1: Thermal, mass and dimensional requirements for sleeping bags designed for limit temperatures of -20°C and higher	D
ISO/TR 24666:2022	en	Sports and recreational facilities — Probes for entrapment/entanglement on playground equipment — Collection of data	E
TC 92		Fire safety	
ISO 20902-1:2018	en fr	Fire test procedures for divisional elements that are typically used in oil, gas and petrochemical industries — Part 1: General requirements	E
ISO 26367-3:2022	en fr	Guidelines for assessing the adverse environmental impact of fire effluents — Part 3: Sampling and analysis	D
ISO 20710-1:2022	en fr	Fire safety engineering — Active fire protection systems — Part 1: General principles	C
TC 102		Iron ore and direct reduced iron	
ISO 11257:2022	en	Iron ores for shaft direct-reduction feedstocks — Determination of the low-temperature reduction-disintegration index and degree of metallization	B
TC 106		Dentistry	
ISO 20126:2022	en fr	Dentistry — Manual toothbrushes — General requirements and test methods	B
TC 107		Metallic and other inorganic coatings	
ISO 2080:2022	en fr	Metallic and other inorganic coatings — Surface treatment, metallic and other inorganic coatings — Vocabulary	A
TC 108		Mechanical vibration, shock and condition monitoring	
ISO 10326-2:2022	en fr	Mechanical vibration — Laboratory method for evaluating vehicle seat vibration — Part 2: Application to railway vehicles	E
TC 113		Hydrometry	
ISO 4373:2022	en fr	Hydrometry — Water level measuring devices	E
TC 121		Anaesthetic and respiratory equipment	
ISO 26825:2020	fr	Anaesthetic and respiratory equipment — User-applied labels for syringes containing drugs used during anaesthesia — Colours, design and performance	B

ISO 10079-1:2022	en fr	Medical suction equipment — Part 1: Electrically powered suction equipment	A
ISO 10079-2:2022	en fr	Medical suction equipment — Part 2: Manually powered suction equipment	A
ISO 10079-3:2022	en fr	Medical suction equipment — Part 3: Suction equipment powered from a vacuum or positive pressure gas source	A
TC 127		Earth-moving machinery	
ISO 14990-1:2016	fr	Earth-moving machinery — Electrical safety of machines utilizing electric drives and related components and systems — Part 1: General requirements	G
ISO 14990-2:2016	fr	Earth-moving machinery — Electrical safety of machines utilizing electric drives and related components and systems — Part 2: Particular requirements for externally-powered machines	C
ISO 14990-3:2016	fr	Earth-moving machinery — Electrical safety of machines utilizing electric drives and related components and systems — Part 3: Particular requirements for self-powered machines	C
TC 131		Fluid power systems	
ISO 11171:2022	en	Hydraulic fluid power — Calibration of automatic particle counters for liquids	G
TC 136		Furniture	
ISO 7170:2021	en	Furniture — Storage units — Test methods for the determination of strength, durability and stability	G
TC 138		Plastics pipes, fittings and valves for the transport of fluids	
ISO 3459:2022	en fr	Plastic piping systems — Mechanical joints between fittings and pressure pipes — Test method for leaktightness under negative pressure	A
ISO 13844:2022	fr	Plastics piping systems — Elastomeric-sealing-ring-type socket joints for use with plastic pipes — Test method for leaktightness under negative pressure, angular deflection and deformation	B
TC 142		Cleaning equipment for air and other gases	
ISO 29463-5:2022	en fr	High-efficiency filters and filter media for removing particles in air — Part 5: Test method for filter elements	E
TC 147		Water quality	
ISO 10304-4:2022	en fr	Water quality — Determination of dissolved anions by liquid chromatography of ions — Part 4: Determination of chlorate, chloride and chlorite in water with low contamination	C
TC 150		Implants for surgery	
ISO 5832-5:2022	en	Implants for surgery — Metallic materials — Part 5: Wrought cobalt-chromium-tungsten-nickel	A

ISO 5832-6:2022	en fr	Implants for surgery — Metallic materials — Part 6: Wrought cobalt-nickel-chromium-molybdenum alloy	A
TC 154		Processes, data elements and documents in commerce, industry and administration	
ISO 9735-11:2022	en	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	B
TC 156		Corrosion of metals and alloys	
ISO/TR 7655:2022	en	Corrosion of metals and alloys — Overview of metal corrosion protection when using disinfectants	F
ISO 23721:2022	en	Corrosion of metals and alloys — Rating method by appearance of rust and stains of atmospheric corrosion for stainless steels	C
TC 159		Ergonomics	
ISO/TR 9241-311:2022	en	Ergonomics of human-system interaction — Part 311: Application of ISO 9241-307: LCD screens for workstations	C
TC 160		Glass in building	
ISO/TS 21486:2022	en	Glass in building — Retesting requirements for laminated solar photovoltaic glass for use in buildings	B
TC 163		Thermal performance and energy use in the built environment	
ISO 23766:2022	en	Thermal insulating products for industrial installations — Determination of the coefficient of linear thermal expansion at sub-ambient temperatures	B
TC 172		Optics and photonics	
ISO 9211-4:2022	en fr	Optics and photonics — Optical coatings — Part 4: Specific test methods: abrasion, adhesion and resistance to water	C
TC 173		Assistive products	
ISO/TS 20342-10:2022	en fr	Assistive products for tissue integrity when lying down — Part 10: Guidance to cleaning, disinfecting and care of polyurethane APTI covers	A
ISO 7176-14:2022	en fr	Wheelchairs — Part 14: Power and control systems for electrically powered wheelchairs and scooters — Requirements and test methods	G
TC 180		Solar energy	
ISO 9488:2022		Solar energy — Vocabulary	A
TC 182		Geotechnics	
ISO 17892-12:2018/Amd 2:2022	en	Geotechnical investigation and testing — Laboratory testing of soil — Part 12: Determination of liquid and plastic limits — Amendment 2	XZ
ISO 22475-1:2021	fr	Geotechnical investigation and testing — Sampling methods and groundwater measurements — Part 1: Technical principles for the sampling of soil, rock and groundwater	H

TC 184		Automation systems and integration	ISO/IEEE 11073-40101:2022	en	Health informatics — Device interoperability — Part 40101: Foundational — Cybersecurity — Processes for vulnerability assessment	F
ISO/TS 10303-17:2022	en	Industrial automation systems and integration — Product data representation and exchange — Part 17: Description methods: EXPRESS to SysML CXMI transformation	ISO/IEEE 11073-40102:2022	en	Health informatics — Device interoperability — Part 40102: Foundational — Cybersecurity — Capabilities for mitigation	D
ISO 17506:2022	en	Industrial automation systems and integration — COLLADATM digital asset schema specification for 3D visualization of industrial data	ISO/TS 17117-2:2022	en	Health informatics — Terminological resources — Part 2: Implementation Capability (TIC)	B
TC 188		Small craft	ISO 17439:2022	en	Health informatics — Development of terms and definitions for health informatics glossaries	B
ISO 8847:2021	fr	Small craft — Steering gear — Cable over pulley systems				D
TC 189		Ceramic tile	TC 217		Cosmetics	
ISO 10545-18:2022	en	Ceramic tiles — Part 18: Determination of light reflectance value (LRV)	ISO 24444:2019/Amd 1:2022	en	Cosmetics — Sun protection test methods — In vivo determination of the sun protection factor (SPF) — Amendment 1	XZ
TC 201		Surface chemical analysis	TC 219		Floor coverings	
ISO 17109:2022	en	Surface chemical analysis — Depth profiling — Method for sputter rate determination in X-ray photoelectron spectroscopy, Auger electron spectroscopy and secondary-ion mass spectrometry sputter depth profiling using single and multi-layer thin films	ISO 1763:2020	fr	Textile floor coverings — Determination of number of tufts and/or loops per unit length and per unit area	A
ISO/TS 22933:2022	en	Surface chemical analysis — Secondary ion mass spectrometry — Method for the measurement of mass resolution in SIMS	ISO 24338:2022	en	Laminate floor coverings — Determination of abrasion resistance	D
TC 204		Intelligent transport systems	TC 221		Geosynthetics	
ISO/TS 5255-1:2022	en	Intelligent transport systems — Low-speed automated driving system (LSADS) service — Part 1: Role and functional model	ISO/TR 18228-4:2022	en	Design using geosynthetics — Part 4: Drainage	G
TC 205		Building environment design	TC 229		Nanotechnologies	
ISO 52032-1:2022	en	Energy performance of buildings — Energy requirements and efficiencies of heating, cooling and domestic hot water (DHW) distribution systems — Part 1: Calculation procedures	ISO/TS 21357:2022	en	Nanotechnologies — Evaluation of the mean size of nano-objects in liquid dispersions by static multiple light scattering (SMLS)	D
TC 207		Environmental management	TC 249		Traditional Chinese medicine	
ISO/TR 14055-2:2022	en	Environmental management — Guidelines for establishing good practices for combatting land degradation and desertification — Part 2: Regional case studies	ISO 22585:2022	en	Traditional Chinese medicine — Codonopsis pilosula root	C
TC 211		Geographic information/ Geomatics	ISO 22586:2022	en	Traditional Chinese medicine — Paeonia lactiflora root — White peony root	C
ISO 19115-2:2019/Amd 1:2022	en	Geographic information — Metadata — Part 2: Extensions for acquisition and processing — Amendment 1	ISO 23965:2022	en	Traditional Chinese medicine — Bupleurum chinense, Bupleurum scorzonerifolium and Bupleurum falcatum root	D
ISO/TS 19130-3:2022	en	Geographic information — Imagery sensor models for geopositioning — Part 3: Implementation schema	TC 258		Project, programme and portfolio management	
TC 212		Clinical laboratory testing and in vitro diagnostic test systems	ISO 21503:2022	fr	Project, programme and portfolio management — Guidance on programme management	C
ISO 17593:2022	en	Clinical laboratory testing and in vitro medical devices — Requirements for in vitro monitoring systems for self-testing of oral anticoagulant therapy	ISO 21504:2022	fr	Project, programme and portfolio management — Guidance on portfolio management	C
TC 215		Health informatics	TC 262		Risk management	
			ISO 31000:2018	ar	Risk management — Guidelines	C
			TC 276		Biotechnology	

ISO 20397-1:2022	en	Biotechnology — Massively parallel sequencing — Part 1: Nucleic acid and library preparation				C
TC 292		Security and resilience	ISO 28000:2022	en	Security and resilience — Security management systems — Requirements	D
IULTCS		International Union of Leather Technologists and Chemists Societies				
ISO 5402-1:2022	en	Leather — Determination of flex resistance — Part 1: Flexometer method				B
JTC 1		Information technology	ISO/IEC 19540-1:2022	en	Information technology — Object Management Group Unified Architecture Framework (OMG UAF) — Part 1: Domain Metamodel (DMM)	H
ISO/IEC 19540-2:2022	en	Information technology — Object Management Group Unified Architecture Framework (OMG UAF) — Part 2: Unified Architecture Framework Profile (UAFP)	ISO/IEC 21558-1:2022	en	Telecommunications and information exchange between systems — Future network architecture — Part 1: Switching and routing	B
ISO/IEC 21558-3:2022	en	Telecommunications and information exchange between systems — Future network architecture — Part 3: Networking of everything	ISO/IEC 21559-1:2022	en	Telecommunications and information exchange between systems — Future network protocols and mechanisms — Part 1: Switching and routing	D
ISO/IEC 21559-3:2022	en	Telecommunications and information exchange between systems — Future network protocols and mechanisms — Part 3: Networking of everything	ISO/IEC 29110-2-1:2015/Amd 1:2022	en	Software engineering — Lifecycle profiles for Very Small Entities (VSEs) — Part 2-1: Framework and taxonomy — Amendment 1: Update of references and editorial improvements	XZ
ISO/IEC 10192-4-1:2022	en	Information technology — Home electronic system (HES) interfaces — Part 4-1: Common user interface and interoperability among home systems — Architecture	ISO/IEC 14165-432:2022	en	Information security, cybersecurity and privacy protection — Information security controls	H
ISO/IEC 27002:2022	en	Information security, cybersecurity and privacy protection — Information security controls	ISO/IEC 18181-1:2022	en	Information technology — JPEG XL image coding system — Part 1: Core coding system	H
ISO/IEC 21122-1:2022	en	Information technology — JPEG XS low-latency lightweight image coding system — Part 1: Core coding system				H

ISO/IEC 21122-2:2022	en	Information technology — JPEG XS low-latency lightweight image coding system — Part 2: Profiles and buffer models	ISO/IEC 21122-3:2022	en	Information technology — JPEG XS low-latency lightweight image coding system — Part 3: Transport and container formats	F
ISO/IEC 23008-9:2022	en	Information technology — High efficiency coding and media delivery in heterogeneous environments — Part 9: 3D Audio conformance testing	ISO/IEC 23093-1:2022	en	Information technology — Internet of media things — Part 1: Architecture	D
ISO/IEC 23093-2:2022	en	Information technology — Internet of media things — Part 2: Discovery and communication API	ISO/IEC 18047-3:2022	en	Information technology — Radio frequency identification device conformance test methods — Part 3: Test methods for air interface communications at 13,56 MHz	F
ISO/IEC TR 3445:2022	en	Information technology — Cloud computing — Audit of cloud services	ISO/IEC 2382-37:2022	en	Information technology — Vocabulary — Part 37: Biometrics	A
ISO/IEC 19944-2:2022	en	Cloud computing and distributed platforms — Data flow, data categories and data use — Part 2: Guidance on application and extensibility	ISO/IEC TR 3445:2022	en	Information technology — Cloud computing — Audit of cloud services	F
ISO/IEC TS 22237-30:2022	en	Information technology — Data centre facilities and infrastructures — Part 30: Earthquake risk and impact analysis	ISO/IEC 30134-8:2022	en	Information technology — Data centres key performance indicators — Part 8: Carbon usage effectiveness (CUE)	C
ISO/IEC 30134-9:2022	en	Information technology — Data centres key performance indicators — Part 9: Water usage effectiveness (WUE)	ISO/IEC 30134-9:2022	en	Information technology — Data centres key performance indicators — Part 9: Water usage effectiveness (WUE)	D
ISO/IEC 21823-4:2022	en	Internet of things (IoT) — Interoperability for IoT systems — Part 4: Syntactic interoperability	ISO/IEC 30171-1:2022	en	Internet of Things (IoT) — Base-station based underwater wireless acoustic network (B-UWAN) — Part 1: Overview and requirements	C

## Standards confirmed

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

IIW	International Institute of Welding
ISO/TR 13392:2014	
ISO/TR 18786:2014	
TC 5	Ferrous metal pipes and metallic fittings
ISO 7-2:2000	(reconfirmed)
ISO 228-1:2000	(reconfirmed)
ISO 228-2:1987	(reconfirmed)
TC 6	Paper, board and pulps
ISO 18522:2016	
ISO 3034:2011	(reconfirmed)
ISO 3036:1975	(reconfirmed)
ISO 12625-5:2016	
ISO 12625-6:2016	
TC 8	Ships and marine technology
ISO 16706:2016	
ISO 3904:1990	(reconfirmed)
ISO 6345:1990	(reconfirmed)
ISO 15401:2000	(reconfirmed)
ISO 15402:2000	(reconfirmed)
TC 10	Technical product documentation
ISO 9431:1990	(reconfirmed)
TC 17	Steel
ISO 13976:2016	
ISO 14590:2016	
TC 20	Aircraft and space vehicles
ISO 10830:2011	(reconfirmed)
ISO 11221:2011	(reconfirmed)
ISO 22108:2008	(reconfirmed)
TC 21	Equipment for fire protection and fire fighting
ISO 7076-3:2016	
ISO 7076-4:2016	
TC 22	Road vehicles
ISO 15031-1:2010	(reconfirmed)
ISO 22901-2:2011	(reconfirmed)
ISO/TS 17536-5:2018	
ISO 15082:2016	
ISO 19689:2016	
ISO/TS 21308-4:2007	(reconfirmed)
ISO 15501-1:2016	
ISO 15501-2:2016	
TC 24	Particle characterization including sieving
ISO 3310-1:2016	(reconfirmed)
TC 28	Petroleum and related products, fuels and lubricants from natural or synthetic sources
ISO 16591:2010	(reconfirmed)
ISO 29945:2016	
TC 29	Small tools
ISO/TS 13399-202:2015	(reconfirmed)

ISO/TS 13399-315:2018	
ISO/TS 13399-403:2018	
TC 30	Measurement of fluid flow in closed conduits
ISO 22158:2011	(reconfirmed)
TC 34	Food products
ISO 664:2008	(reconfirmed)
ISO 5500:1986	(reconfirmed)
ISO 5537:2004	(reconfirmed)
ISO/TS 11869:2012	(reconfirmed)
ISO 22005:2007	(reconfirmed)
TC 35	Paints and varnishes
ISO 15741:2016	
TC 37	Language and terminology
ISO 639-5:2008	(reconfirmed)
ISO 10241-1:2011	(reconfirmed)
ISO 15188:2001	(reconfirmed)
TC 41	Pulleys and belts (including veebelts)
ISO 9856:2016	
TC 43	Acoustics
ISO 3382-2:2008	(reconfirmed)
ISO 10534-1:1996	(reconfirmed)
TC 44	Welding and allied processes
ISO 17635:2016	
ISO 17637:2016	
ISO 17638:2016	
TC 46	Information and documentation
ISO 2709:2008	(reconfirmed)
TC 58	Gas cylinders
ISO 11114-3:2010	(reconfirmed)
ISO 13341:2010	(reconfirmed)
ISO 24431:2016	
TC 59	Buildings and civil engineering works
ISO 2848:1984	(reconfirmed)
ISO 16757-2:2016	
TC 60	Gears
ISO 6336-5:2016	(reconfirmed)
TC 67	Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries
ISO 10427-3:2003	(reconfirmed)
TC 70	Internal combustion engines
ISO 15550:2016	
TC 71	Concrete, reinforced concrete and pre-stressed concrete
ISO 1920-2:2016	
TC 72	Textile machinery and accessories
ISO 96-1:2016	
ISO 26243:2007	(reconfirmed)
ISO 11111-2:2005	(reconfirmed)
ISO 11111-3:2005	(reconfirmed)
ISO 11111-4:2005	(reconfirmed)
ISO 11111-5:2005	(reconfirmed)
ISO 11111-6:2005	(reconfirmed)

ISO 11111-7:2005	(reconfirmed)
TC 74	Cement and lime
ISO 29581-1:2009	(reconfirmed)
TC 77	Products in fibre reinforced cement
ISO 390:1993	(reconfirmed)
ISO 10904:2011	(reconfirmed)
TC 79	Light metals and their alloys
ISO 6827:1981	(reconfirmed)
TC 85	Nuclear energy, nuclear technologies, and radiological protection
ISO 10980:1995	(reconfirmed)
TC 89	Wood-based panels
ISO 17064:2016	
TC 104	Freight containers
ISO 18185-1:2007	(reconfirmed)
ISO 18185-2:2007	(reconfirmed)
ISO 18185-4:2007	(reconfirmed)
TC 106	Dentistry
ISO 3964:2016	
ISO 7711-2:2011	(reconfirmed)
ISO 9173-1:2016	
ISO 17509:2016	
ISO 21671:2006	(reconfirmed)
ISO 11143:2008	(reconfirmed)
ISO 11953:2010	(reconfirmed)
TC 119	Powder metallurgy
ISO 4491-1:1989	(reconfirmed)
TC 121	Anaesthetic and respiratory equipment
ISO 15001:2010	(reconfirmed)
ISO 18777:2005	(reconfirmed)
TC 130	Graphic technology
ISO 12040:1997	(reconfirmed)
ISO 12642-1:2011	(reconfirmed)
ISO 12647-7:2016	
ISO 16762:2016	
TC 138	Plastics pipes, fittings and valves for the transport of fluids
ISO 9311-2:2011	(reconfirmed)
ISO 23228:2011	(reconfirmed)
TC 145	Graphical symbols
ISO 3864-2:2016	
TC 146	Air quality
ISO 8672:2014	
ISO 16107:2007	(reconfirmed)
ISO 17736:2010	(reconfirmed)
ISO 20581:2016	
ISO 4226:2007	(reconfirmed)
ISO	(reconfirmed)
16000-12:2008	
ISO	(reconfirmed)
16000-18:2011	
ISO	(reconfirmed)
16000-25:2011	
ISO 16017-1:2000	(reconfirmed)
TC 147	Water quality
ISO 22719:2008	(reconfirmed)

ISO 10253:2016	
ISO 11348-1:2007	(reconfirmed)
ISO 11348-2:2007	(reconfirmed)
ISO 11348-3:2007	(reconfirmed)
ISO 15088:2007	(reconfirmed)
ISO 23893-1:2007	(reconfirmed)
ISO 5667-20:2008	(reconfirmed)
TC 153	Valves
ISO 6553:2016	
TC 155	Nickel and nickel alloys
ISO 11435:2011	(reconfirmed)
ISO 22033:2011	(reconfirmed)
TC 163	Thermal performance and energy use in the built environment
ISO 15099:2003	(reconfirmed)
ISO 15927-4:2005	(reconfirmed)
ISO 18292:2011	(reconfirmed)
TC 164	Mechanical testing of metals
ISO 14577-4:2016	
TC 170	Surgical instruments
ISO 7153-1:2016	
TC 172	Optics and photonics
ISO 14490-7:2016	
ISO 8037-1:1986	(reconfirmed)
ISO 9344:2016	
TC 173	Assistive products
ISO 11199-3:2005	(reconfirmed)
ISO 11334-1:2007	(reconfirmed)
ISO 24415-2:2011	(reconfirmed)
ISO 8669-1:1988	(reconfirmed)
TC 178	Lifts, escalators and moving walks
ISO 14798:2009	(reconfirmed)
TC 182	Geotechnics
ISO 17892-4:2016	
ISO 18674-2:2016	
TC 184	Automation systems and integration
ISO 22400-1:2014	
TC 199	Safety of machinery
ISO 12100:2010	(reconfirmed)
TC 204	Intelligent transport systems
ISO 15784-2:2015	
TC 206	Fine ceramics
ISO 18610:2016	
ISO 22197-1:2016	
ISO 24235:2007	(reconfirmed)
ISO 28703:2011	(reconfirmed)
ISO 28704:2011	(reconfirmed)
TC 211	Geographic information/Geomatics
ISO 19110:2016	
ISO 19133:2005	(reconfirmed)
TC 213	Dimensional and geometrical product specifications and verification
ISO/TS 17863:2013	(reconfirmed)
TC 215	Health informatics
ISO 21549-8:2010	(reconfirmed)

ISO/TS 22835:2018	
TC 219	Floor coverings
ISO 20251:2016	
TC 221	Geosynthetics
ISO 9863-1:2016	
ISO 10769:2011	(reconfirmed)
ISO 10773:2011	(reconfirmed)
ISO/TS 19708:2007	(reconfirmed)
TC 229	Nanotechnologies
ISO/TS 10797:2012	(reconfirmed)
ISO/TS 16195:2018	
ISO/TS 17466:2015	(reconfirmed)
JTC 1	Information technology
ISO/IEC TS 18661-1:2014	(reconfirmed)
ISO/IEC TS 18661-2:2015	(reconfirmed)
ISO/IEC TS 19570:2018	
ISO/IEC 27036-4:2016	
ISO/IEC 29161:2016	
ISO/IEC 29500-1:2016	
ISO/IEC 29500-4:2016	

TC 184	Automation systems and integration (replaced by ISO 17506:2022)
ISO/PAS 17506:2012	
TC 215	Health informatics (replaced by ISO 17439:2022)
ISO/TS 17439:2014	
JTC 1	Information technology (replaced by ISO/IEC 18047-3:2022)
ISO/IEC TR 18047-3:2011	

## Meeting calendar

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

## Standards withdrawn

Period from 01 March to 01 April 2022

TC 34	Food products (replaced by ISO 23319:2022)
ISO 1735:2004	
ISO 5543:2004	(replaced by ISO 23319:2022)
TC 67	Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries (replaced by ISO/TS 12835:2022)
ISO/PAS 12835:2013	
TC 72	Textile machinery and accessories (replaced by ISO 8115-1:2022)
ISO 8115:1986	
TC 98	Bases for design of structures (replaced by )
ISO 2103:1986	
ISO 2633:1974	(replaced by )
TC 154	Processes, data elements and documents in commerce, industry and administration (replaced by ISO 9735-11:2022)
ISO 9735:1988	
ISO 9735:1988/ Amd 1:1992	(replaced by ISO 9735-11:2022)