

ISO Update

Supplement to ISOfocus

November 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 October to 01 November 2021

These documents are currently under consideration in the technical committee.

They have been registered at the Central Secretariat.

TC 2	Fasteners
ISO/CD 3506-3	Mechanical properties of corrosion-resistant stainless steel fasteners — Part 3: Set screws and similar fasteners not under tensile stress
ISO/CD 3506-4	Mechanical properties of corrosion-resistant stainless steel fasteners — Part 4: Tapping screws
TC 6	Paper, board and pulps
ISO/CD 23772	Pulps — Kraft liquor — Residual alkali (Hydroxide ion content)
ISO/CD 23774	Pulps — Kraft liquor — Total, active and effective alkali (Potentiometric titration)
ISO/CD 23777	Pulps - Kraft liquor - Hydrosulphide ion concentration
ISO/CD 8784-2	Pulp, paper and board — Microbiological examination — Part 2: Enumeration of bacteria, yeast and mould on surface
ISO/CD 12625-12	Tissue paper and tissue products — Part 12: Determination of tensile strength of perforated lines — Calculation of perforation efficiency
TC 20	Aircraft and space vehicles
ISO/CD 7481	Aerospace — Nuts, self-locking, with maximum operating temperature less than or equal to 425 degrees C — Test methods
ISO/CD 12261	Aerospace — Screws, pan head, internal offset cruciform ribbed or unribbed drive, pitch diameter shank, long length MJ threads, metallic material, coated or uncoated, strength classes less than or equal to 1 100 MPa — Dimensions
ISO/CD 17546	Space systems — Lithium ion battery for space vehicles — Design and verification requirements
ISO/CD 24412	Space systems — Thermal vacuum environmental testing
ISO/CD 5109	Evaluation method for the resonance frequency of multi-copter UAV by measurement of rotor and body frequencies

TC 21	Equipment for fire protection and fire fighting
ISO/DTR 7240-9.2	Fire detection and alarm systems — Part 9: Test fires for fire detectors
TC 22	Road vehicles
ISO/CD 3894	Road vehicles — Wheels/rims for commercial vehicles — Test methods
ISO/CD 19438	Diesel fuel and petrol filters for internal combustion engines — Filtration efficiency using particle counting and contaminant retention capacity
TC 23	Tractors and machinery for agriculture and forestry
ISO/CD 3600	Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Operator's manuals — Content and format
ISO/CD 9467	Manually portable (hand-held) powered lawn and garden equipment and forest machinery – Multi position small engine powered equipment – Exhaust system caused fire risk
TC 27	Coal and coke
ISO/CD 5146	Coal preparation plant — Density tracer testing for measuring performance of coal density separators
TC 28	Petroleum and related products, fuels and lubricants from natural or synthetic sources
ISO/CD 3679	Determination of flash point – Method for flash no-flash and flash point by small scale closed cup tester
ISO/CD 4259-5	Petroleum and related products — Precision of measurement methods and results — Part 5: Statistical assessment of agreement between two different measurement methods that claim to measure the same property
ISO 13736:2021/CD Amd 1	Determination of flash point — Abel closed-cup method — Amendment 1: bias statement update
ISO/CD 12924	Lubricants, industrial oils and related products (Class L) — Family X (Greases) — Specification
ISO/CD 6729	Petroleum products and other liquids — Ethanol — Standard test method for ethanol determination in gasoline blends by gas chromatography
TC 34	Food products
ISO/CD 7889	Yogurt — Enumeration of characteristic micro-organisms — Colony-count technique
ISO 16140-4:2020/CD Amd 1	Microbiology of the food chain — Method validation — Part 4: Protocol for method validation in a single laboratory — Amendment 1: Annex H - Validation of larger test portion size for qualitative methods
ISO/CD 17468	Microbiology of the food chain — Technical requirements and guidance on establishment or revision of a standardized reference method
ISO/CD 16578	Molecular biomarker analysis — Requirements for microarray detection of specific nucleic acid sequences
ISO/DTS 20224-8	Molecular biomarker analysis — Detection of animal-derived materials in foodstuffs and feedstuffs by real-time PCR — Part 8: Turkey DNA detection method

ISO/DTS 20224-9	Molecular biomarker analysis — Detection of animal-derived materials in foodstuffs and feedstuffs by real-time PCR — Part 9: Goose DNA detection method	TC 67	Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries
TC 35	Paints and varnishes	ISO/CD 22974	Petroleum and natural gas industries. Pipeline integrity assessment specification
ISO/DTR 11594	Guidelines for the creation/evaluation of fingerprint analysis in accordance with ISO 28199-1 to -3	TC 69	Applications of statistical methods
ISO/CD 22553-15	Paints and varnishes — Electro-deposition coatings — Part 15: Permeate residue	ISO/CD 7870-6	Control charts — Part 6: EWMA control charts
ISO/CD 22553-16	Paints and varnishes — Electro-deposition coatings — Part 16: Pigment-binder ratio	TC 70	Internal combustion engines
TC 42	Photography	ISO/CD 7967-3	Reciprocating internal combustion engines — Vocabulary of components and systems — Part 3: Valves, camshaft drives and actuating mechanisms
ISO/CD 22028-3	Photography and graphic technology — Extended colour encodings for digital image storage, manipulation and interchange — Part 3: Reference input medium metric RGB colour image encoding (RIMM RGB)	TC 84	Devices for administration of medicinal products and catheters
TC 44	Welding and allied processes	ISO/CD 23217	Injection systems intended for self-administration by paediatric patients — Guidance for design
ISO/CD 25980	Health and safety in welding and allied processes — Transparent welding curtains, strips and screens for arc welding processes	TC 94	Personal safety -- Personal protective equipment
ISO/CD 24394	Welding for aerospace applications — Qualification test for welders and welding operators — Fusion welding of metallic components	ISO/CD 6529	Protective clothing — Protection against chemicals — Determination of resistance of protective clothing materials to permeation by liquids and gases
TC 45	Rubber and rubber products	TC 106	Dentistry
ISO/CD 14932	Rubber compounding ingredients — Organic vulcanizing agents — Determination of organic peroxide content	ISO/DTS 4640	Dentistry — Tensile bond strength test methods to tooth structure
ISO/CD 5462.2	Rubber latex coated fabric gloves — Specification	TC 110	Industrial trucks
TC 46	Information and documentation	ISO/DTS 3691-8	Industrial trucks — Safety requirements and verification — Part 8: Regional requirements for countries outside the European Community
ISO/CD 16245	Information and documentation — Boxes, file covers and other enclosures, made from cellulosic materials, for storage of paper and parchment documents	TC 127	Earth-moving machinery
TC 48	Laboratory equipment	ISO 13459:2012/ CD Amd 1	Earth-moving machinery — Trainer seat — Deflection limiting volume, space envelope and performance requirements — Amendment 1
ISO/CD 8655-10	Piston-operated volumetric apparatus — Part 10: User guidance and requirements for competence, training, and POVA suitability	TC 131	Fluid power systems
ISO/CD 10991	Micro process engineering — Vocabulary	ISO/CD 23369	Hydraulic fluid power — Multi-pass method of evaluating filtration performance of a filter element under cyclic flow conditions
ISO/CD 13132	Laboratory glassware — Petri dishes	TC 138	Plastics pipes, fittings and valves for the transport of fluids
TC 59	Buildings and civil engineering works	ISO/CD 16486-6	Plastics piping systems for the supply of gaseous fuels — Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing — Part 6: Code of practice for design, handling and installation
ISO/CD 21928-2	Sustainability in buildings and civil engineering works — Sustainability indicators — Part 2: Framework for the development of indicators for civil engineering works	ISO/CD 18553	Method for the assessment of the degree of pigment or carbon black dispersion in polyolefin pipes, fittings and compounds
TC 61	Plastics	TC 146	Air quality
ISO/CD 13927	Plastics — Simple heat release test using a conical radiant heater and a thermopile detector	ISO/CD 11174	Workplace air — Determination of particulate cadmium and cadmium compounds — Flame and electrothermal atomic absorption spectrometric method
ISO/DTS 15791-2	Plastics — Development and use of intermediate-scale fire tests for plastics products — Part 2: Use of intermediate-scale tests for semi-finished and finished products	TC 147	Water quality
ISO/CD 23948	Plastics — Intumescence properties of PVC materials and products — Test method for the measurement of expansion with the cone calorimeter	ISO/CD 17294-1	Water quality — Application of inductively coupled plasma mass spectrometry (ICP-MS) — Part 1: General guidelines
ISO/CD 23949	Plastics — Application of spread of flame test to plastic pipes	TC 153	Valves
ISO/CD 2561	Plastics — Determination of residual styrene monomer in polystyrene (PS) and impact-resistant polystyrene (PS-I) by gas chromatography	ISO/CD 5117	Automatic steam traps — Production and performance characteristic tests
		TC 156	Corrosion of metals and alloys
		ISO/CD 16701	Corrosion of metals and alloys — Corrosion in artificial atmosphere — Accelerated corrosion test involving exposure under controlled conditions of humidity cycling and intermittent spraying of a salt solution

TC 159	Ergonomics	ISO/DTR 25060	Systems and software engineering — Systems and software product Quality Requirements and Evaluation (SQuaRE) — Common Industry Format (CIF) for usability: General framework for usability-related information	ISO/CD 5722	Fine ceramics (advanced ceramics, advanced technical ceramics) — Test method for determining tensile and shear creep of ceramic adhesive
TC 164	Mechanical testing of metals	ISO/CD 7801	Metallic materials — Wire — Reverse bend test	ISO/CD 20505	Fine ceramics (advanced ceramics, advanced technical ceramics) — Mechanical properties of ceramic composites at room temperature — Determination of the interlaminar shear strength and shear modulus of continuous-fibre-reinforced composites by the compression of double-notched test pieces and by the losipescu test
ISO/CD 9649	Metallic materials — Wire — Reverse torsion test	ISO/CD 4545-1	Metallic materials — Knoop hardness test — Part 1: Test method	TC 212	Clinical laboratory testing and in vitro diagnostic test systems
ISO/CD 6506-1	Metallic materials — Brinell hardness test — Part 1: Test method	ISO/CD 6506-2	Metallic materials — Brinell hardness test — Part 2: Verification and calibration of testing machines	ISO/DTS 5798	Quality Practice for detection of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) by nucleic acid amplification methods
ISO/CD 6506-3	Metallic materials — Brinell hardness test — Part 3: Calibration of reference blocks	ISO/CD 6507-1	Metallic materials — Vickers hardness test — Part 1: Test method	TC 219	Floor coverings
ISO/CD 6508-2	Metallic materials — Rockwell hardness test — Part 2: Verification and calibration of testing machines and indenters	ISO/CD 6508-3	Metallic materials — Rockwell hardness test — Part 3: Calibration of reference blocks	ISO 26986:2010/CD Amd 1	Resilient floor coverings — Expanded (cushioned) poly(vinyl chloride) floor covering — Specification — Amendment 1
TC 172	Optics and photonics	ISO/CD 24013	Optics and photonics — Lasers and laser-related equipment — Measurement of phase retardation of optical components for polarized laser radiation	TC 276	Biotechnology
TC 183	Copper, lead, zinc and nickel ores and concentrates	ISO/CD 13548	Copper, lead and zinc sulfide concentrates — Determination of fluorine content by sodium hydroxide fusion and fluoride ion selective electrode detection	ISO/DTS 24420	Biotechnology — Massively parallel DNA sequencing — General requirements for data processing of shotgun metagenomics
TC 204	Intelligent transport systems	ISO/CD 15638-23	Intelligent transport systems — Framework for collaborative telematics applications for regulated commercial freight vehicles (TARV) — Part 23: Tyre monitoring	TC 296	Bamboo and rattan
ISO/CD 20530-2	Intelligent transport systems — Information for emergency service support via personal ITS station — Part 2: Service requirement for road incident notification	ISO/DTS 20684-3	Intelligent transport systems — Roadside modules SNMP data interface — Part 3: Triggers	ISO/CD 5946	Bamboo-based Activated Carbon
ISO/DTS 20684-4	Intelligent transport systems — Roadside modules SNMP data interface — Part 4: Notifications	ISO/DTS 20684-5	Intelligent transport systems — Roadside modules SNMP data interface — Part 5: Logs	ISO/CD 6128	Laminated products made of bamboo strips for indoor furniture purposes
ISO/DTS 20684-6	Intelligent transport systems — Roadside modules SNMP data interface — Part 6: Commands	ISO/DTS 20684-7	Intelligent transport systems — Roadside modules SNMP data interface — Part 7: Support features	TC 299	Robotics
TC 206	Fine ceramics	ISO/CD 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	ISO/CD 22166-201	Robotics — Modularity for service robots — Part 201: Common information model for modules
				TC 312	Excellence in service
				ISO/DTS 23686	Measuring service excellence performance
				JTC 1	Information technology
				ISO/IEC CD 19775-1	Information technology — Computer graphics, image processing and environmental data representation — Extensible 3D (X3D) — Part 1: Architecture and base components
				ISO/IEC CD 29102	Information technology — Office equipment — Method for the determination of ink cartridge photo yield for colour printing with inkjet printers and multi-function devices that contain inkjet printer components
				ISO/IEC DTR 24244	Automatic identification and data capture techniques — Bar code print quality test specification — Evolution of linear symbols in ISO/IEC 15416

DIS circulated

Period from 01 October to 01 November 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	ISO/DIS 20766-21	Road vehicles — Liquefied petroleum gas (LPG) fuel system components — Part 21: Pressure and/or temperature sensors	2022-01-20
CIE	International Commission on Illumination		TC 23	Tractors and machinery for agriculture and forestry	
ISO/CIE DIS 11664-2.2	Colorimetry — Part 2: CIE stand- ard illuminants	2021-12-17	ISO/DIS 11684	Tractors, machinery for agricul- ture and forestry, powered lawn and garden equipment — Safety signs and hazard pictorials — General principles (Revision of ISO 11684:1995)	2022-01-20
	(Revision of ISO 11664-2:2007)				
TC 4	Rolling bearings		TC 27	Coal and coke	
ISO/DIS 22872	Rolling bearings — Geometrical product specifications (GPS) — Symbols, terms and definitions associated with GPS	2022-01-18	ISO/DIS 923	Coal — Density separation equipment for coal — Perfor- mance evaluation	2021-12-24
				(Revision of ISO 923:2000)	
TC 17	Steel		TC 34	Food products	
ISO/DIS 4943	Steel and cast iron — Deter- mination of copper content — Flame atomic absorption spectrometric method (Revision of ISO 4943:1985)	2022-01-19	ISO/DIS 7927-1	Spices and condiments — Fennel seed, whole or ground (powdered) — Part 1: Bit- ter fennel seed (<i>Foeniculum vulgare</i> P. Miller var. <i>vulgare</i>) — Specification (Revision of ISO 7927-1:1987)	2021-12-24
TC 20	Aircraft and space vehicles		ISO/DIS 7927-2	Spices and condiments — Fennel seed, whole or ground (powdered) — Part 2: Sweet fennel (<i>Foeniculum vulgare</i> var. <i>panmorium</i>) — Specification (Revision of ISO 7927-1:1987)	2021-12-24
ISO/DIS 5015-2	Unmanned aircraft systems — Part 2: Operation of vertiports for unmanned aircraft (UA)	2022-01-18			
TC 22	Road vehicles		TC 35	Paints and varnishes	
ISO/DIS 3779	Road vehicles — Vehicle identi- fication number (VIN) — Content and structure	2022-01-19	ISO 16474- 2:2013/DAmD 1	Paints and varnishes — Methods of exposure to laboratory light sources — Part 2: Xenon-arc lamps — Amendment 1: Clas- sification of daylight filters	2022-01-17
	(Revision of ISO 3779:2009)		ISO/DIS 11127-6	Preparation of steel substrates before application of paints and related products — Test methods for non-metallic blast- cleaning abrasives — Part 6: Determination of water-soluble contaminants by conductivity measurement (Revision of ISO 11127-6:2011)	2022-01-12
ISO/DIS 3780	Road vehicles — World manu- facturer identifier (WMI) code	2022-01-18			
	(Revision of ISO 3780:2009, ISO 3780:2009/Cor 1:2010)				
ISO 4091:2003/ DAmD 1	Road vehicles — Connectors for the electrical connection of tow- ing and towed vehicles — Defini- tions, tests and requirements — Amendment 1	2022-01-14	TC 38	Textiles	
ISO/DIS 20653	Road vehicles — Degrees of pro- tection (IP code) — Protection of electrical equipment against for- eign objects, water and access (Revision of ISO 20653:2013)	2022-01-12	ISO/DIS 4484-1	Textiles and textile products — Microplastics from textile sources — Part 1: Determination of material loss from fabrics dur- ing washing	2022-01-21
ISO/DIS 6621-4	Internal combustion engines — Piston rings — Part 4: General specifications	2022-01-12	ISO/DIS 14389	Textiles — Determination of the phthalate content — Tetrahydro- furan method	2022-01-20
	(Revision of ISO 6621-4:2015)			(Revision of ISO 14389:2014)	
ISO/DIS 15500-21	Road vehicles — Compressed natural gas (CNG) fuel system components — Part 21: Dis- charge line closures	2021-12-30	TC 39	Machine tools	
ISO 20766- 6:2019/DAmD 1	Road vehicles — Liquefied pe- troleum gas (LPG) fuel systems components — Part 6: Pressure relief valves (PRV) — Amend- ment 1	2022-01-20	ISO/DIS 10791-2	Test conditions for machining centres — Part 2: Geometric tests for machines with vertical spindle (vertical Z-axis) (Revision of ISO 10791-2:2001)	2022-01-11
ISO/DIS 20766-8	Road vehicles — Liquefied petroleum gas (LPG) fuel system components — Part 8: Fuel pump	2022-01-20	TC 45	Rubber and rubber products	
ISO/DIS 20766-17	Road vehicles — Liquefied petroleum gas (LPG) fuel system components — Part 17: Gas dosage unit	2022-01-20	ISO/DIS 34-2	Rubber, vulcanized or thermo- plastic — Determination of tear strength — Part 2: Small (Delft) test pieces (Revision of ISO 34-2:2015)	2022-01-12

TC 46	Information and documentation		ISO/DIS 25649-7	Floating leisure articles for use on and in the water — Part 7: Additional specific safety requirements and test methods for Class E devices (Revision of ISO 25649-7:2017)	2021-12-24
ISO/DIS 26324	Information and documentation — Digital object identifier system	2021-12-30			
	(Revision of ISO 26324:2012)		TC 85	Nuclear energy, nuclear technologies, and radiological protection	
TC 52	Light gauge metal containers		ISO/ASTM DIS 51539	Guidance for use of radiation-sensitive indicators	2022-01-11
ISO/DIS 24021-1	Light gauge metal containers — Terminology and classification — Part 1: Open-top cans and ends	2022-01-03		(Revision of ISO/ASTM 51539:2013)	
TC 59	Buildings and civil engineering works		ISO/DIS 18589-2	Measurement of radioactivity in the environment — Soil — Part 2: Guidance for the selection of the sampling strategy, sampling and pre-treatment of samples (Revision of ISO 18589-2:2015)	2021-12-27
ISO/DIS 7817	Building information modelling — Level of information need — Concepts and principles	2022-01-19			
TC 69	Applications of statistical methods		ISO/DIS 18077	Reload startup physics tests for pressurized water reactors	2021-12-30
ISO/DIS 10576	Statistical methods — Guidelines for the evaluation of conformity with specified requirements	2022-01-03		(Revision of ISO 18077:2018)	
	(Revision of ISO 10576-1:2003)		TC 94	Personal safety -- Personal protective equipment	
TC 79	Light metals and their alloys		ISO/DIS 6942	Protective clothing — Protection against heat and fire — Method of test: Evaluation of materials and material assemblies when exposed to a source of radiant heat (Revision of ISO 6942:2002)	2021-12-27
ISO/DIS 23515	Titanium and titanium alloys — Designation system	2021-12-28			
TC 83	Sports and other recreational facilities and equipment		TC 102	Iron ore and direct reduced iron	
ISO/DIS 25649-1	Floating leisure articles for use on and in the water — Part 1: Classification, materials, general requirements and test methods (Revision of ISO 25649-1:2017)	2021-12-24	ISO/DIS 4698	Iron ore pellets for blast furnace feedstocks — Determination of the free-swelling index (Revision of ISO 4698:2007)	2022-01-11
ISO/DIS 25649-2	Floating leisure articles for use on and in the water — Part 2: Consumer information	2021-12-24			
	(Revision of ISO 25649-2:2017)		TC 105	Steel wire ropes	
ISO/DIS 25649-3	Floating leisure articles for use on and in the water — Part 3: Additional specific safety requirements and test methods for Class A devices (Revision of ISO 25649-3:2017)	2021-12-24	ISO/DIS 2232	Round non-alloy steel wires for general purpose wire ropes, large diameter wire ropes and mine hoisting wire ropes — Specifications (Revision of ISO 2232:1990)	2022-01-24
ISO/DIS 25649-4	Floating leisure articles for use on and in the water — Part 4: Additional specific safety requirements and test methods for Class B devices (Revision of ISO 25649-4:2017)	2021-12-24	ISO/DIS 4344	Steel wire ropes for lifts — Minimum requirements (Revision of ISO 4344:2004)	2022-01-18
ISO/DIS 25649-5	Floating leisure articles for use on and in the water — Part 5: Additional specific safety requirements and test methods for Class C devices (Revision of ISO 25649-5:2017)	2021-12-24			
ISO/DIS 25649-6	Floating leisure articles for use on and in the water — Part 6: Additional specific safety requirements and test methods for Class D devices (Revision of ISO 25649-6:2017)	2021-12-24	TC 110	Industrial trucks	
			ISO/DIS 3691-2	Industrial trucks — Safety requirements and verification — Part 2: Self-propelled variable-reach trucks (Revision of ISO 3691-2:2016)	2022-01-14
			ISO 3691-3:2016/DAMD 1	Industrial trucks — Safety requirements and verification — Part 3: Additional requirements for trucks with elevating operator position and trucks specifically designed to travel with elevated loads — Amendment 1	2022-01-21
			ISO/DIS 5057	Industrial trucks — Inspection and repair of fork arms in service on fork-lift trucks (Revision of ISO 5057:1993)	2022-01-21

ISO/DIS 13284	Industrial trucks — Fork arm extensions and telescopic fork arms — Technical characteristics and strength requirements (Revision of ISO 13284:2003)	2022-01-18	TC 156	Corrosion of metals and alloys	
TC 112	Vacuum technology		ISO/DIS 4212	Corrosion of Metals and Alloys — Method of oxalic acid etching test for intergranular corrosion of austenitic stainless steel	2022-01-03
ISO/DIS 24477	Vacuum technology — Vacuum gauges — Specifications, calibration and measurement uncertainties for spinning rotor gauges	2022-01-05	TC 163	Thermal performance and energy use in the built environment	
TC 121	Anaesthetic and respiratory equipment		ISO/DIS 24260	Thermal insulation products — Hemp fiber mat and board — Specification	2022-01-13
ISO/DIS 11712	Anaesthetic and respiratory equipment — Supralaryngeal airways and connectors (Revision of ISO 11712:2009)	2022-01-17	ISO/DIS 24285	Thermal insulation for building equipment and industrial installations — Cellular glass products — Specification	2022-01-17
TC 123	Plain bearings		TC 176	Quality management and quality assurance	
ISO/DIS 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)	2021-12-10	ISO/DIS 10008	Quality management — Customer satisfaction — Guidance for business-to-consumer electronic commerce transactions (Revision of ISO 10008:2013)	2021-12-30
ISO/DIS 3548-3	Plain bearings — Thin-walled half bearings with or without flange — Part 3: Measurement of peripheral length (Revision of ISO 3548-3:2012)	2022-01-19	TC 190	Soil quality	
TC 127	Earth-moving machinery		ISO/DIS 13914	Soil, treated biowaste and sludge — Determination of dioxins and furans and dioxin-like polychlorinated biphenyls by gas chromatography with high resolution mass selective detection (HR GC-MS) (Revision of ISO 13914:2013)	2021-12-30
ISO/DIS 6683	Earth-moving machinery — Seat belts and seat belt anchorages — Performance requirements and tests (Revision of ISO 6683:2005)	2021-12-30	ISO/DIS 23611-4	Soil quality — Sampling of soil invertebrates — Part 4: Sampling, extraction and identification of soil-inhabiting nematodes (Revision of ISO 23611-4:2007)	2021-12-27
TC 130	Graphic technology		ISO/DIS 21268-5	Soil quality — Leaching procedures for subsequent chemical and ecotoxicological testing of soil and soil-like materials — Part 5: Batch test with forced aerobic or anaerobic conditions	2022-01-12
ISO/DIS 23498	Graphic technology — Visual opacity of printed white ink (Revision of ISO 23498:2020)	2021-12-30	TC 198	Sterilization of health care products	
TC 131	Fluid power systems		ISO/DIS 13004	Sterilization of health care products — Radiation — Substantiation of selected sterilization dose: Method VDmaxSD (Revision of ISO/TS 13004:2013)	2022-01-11
ISO/DIS 12151-2	Connections for hydraulic fluid power and general use — Hose fittings — Part 2: Hose fittings with ISO 8434-1 24° cone connector ends with O-rings (Revision of ISO 12151-2:2003)	2022-01-17	TC 206	Fine ceramics	
TC 138	Plastics pipes, fittings and valves for the transport of fluids		ISO/DIS 5712	Fine ceramics (advanced ceramics, advanced technical ceramics) — Method for measuring the power generation characteristics of piezoelectric resonant device for stand-alone power source	2022-01-06
ISO/DIS 4437-4	Plastics piping systems for the supply of gaseous fuels — Polyethylene (PE) — Part 4: Valves (Revision of ISO 4437-4:2015)	2022-01-21	TC 207	Environmental management	
TC 147	Water quality		ISO/DIS 14100	Guidance on environmental criteria for projects, assets and activities to support the development of green finance	2021-12-30
ISO/DIS 7704	Water quality — Requirements for the performance testing of membrane filters used for direct enumeration of microorganisms by culture methods (Revision of ISO 7704:1985)	2021-12-30	TC 209	Cleanrooms and associated controlled environments	
TC 150	Implants for surgery		ISO/DIS 14644-4	Cleanrooms and associated controlled environments — Part 4: Design, construction and start-up	2022-01-03
ISO/DIS 12417-1	Cardiovascular implants and extracorporeal systems — Vascular device-drug combination products — Part 1: General requirements (Revision of ISO 12417-1:2015)	2022-01-17			

	(Revision of ISO 14644-4:2001)				
TC 212	Clinical laboratory testing and in vitro diagnostic test systems			TC 292	Security and resilience
ISO/DIS 15189	Medical laboratories — Requirements for quality and competence	2022-01-11		ISO/DIS 22328-3	Security and resilience — Emergency management — Part 3: Guidelines for the implementation of a community-based tsunami early warning system
	(Revision of ISO 15189:2012)				2022-01-12
TC 213	Dimensional and geometrical product specifications and verification			ISO/DIS 22361	Security and resilience — Crisis management — Guidelines for a strategic capability
ISO/DIS 16610-62	Geometrical product specifications (GPS) — Filtration — Part 62: Linear areal filters: Spline filters	2022-01-12			2022-01-24
TC 215	Health informatics			JTC 1	Information technology
ISO 11615:2017/DAmD 1	Health informatics — Identification of medicinal products — Data elements and structures for the unique identification and exchange of regulated medicinal product information — Amendment 1	2022-01-06		ISO/IEC DIS 29168-2	Information technology — Open systems interconnection — Part 2: Procedures for the object identifier resolution system operational agency (Revision of ISO/IEC 29168-2:2011)
TC 219	Floor coverings			ISO/IEC 29146:2016/DAmD 1	Information technology — Security techniques — A framework for access management — Amendment 1
ISO/DIS 24335	Laminate floor coverings — Determination of impact resistance	2022-01-18		ISO/IEC FDIS 13818-1/DAmD 1	Information technology — Generic coding of moving pictures and associated audio information — Part 1: Systems — Amendment 1: Carriage of LCEVC in MPEG-2 TS and other improvements
	(Revision of ISO 24335:2006)			ISO/IEC DIS 14496-10	Information technology — Coding of audio-visual objects — Part 10: Advanced video coding
TC 238	Solid biofuels				(Revision of ISO/IEC 14496-10:2020)
ISO/DIS 18122	Solid biofuels — Determination of ash content	2021-12-24		ISO/IEC FDIS 14496-15/DAmD 1	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: Support for LCEVC
	(Revision of ISO 18122:2015)			ISO/IEC DIS 21000-23	Information technology — Multimedia framework (MPEG-21) — Part 23: Smart Contracts for Media
ISO/DIS 18134-1	Solid biofuels — Determination of moisture content — Oven dry method — Part 1: Total moisture — Reference method (Revision of ISO 18134-1:2015)	2022-01-07		ISO/IEC DIS 23002-7	Information technology — MPEG video technologies — Part 7: Versatile supplemental enhancement information messages for coded video bitstreams (Revision of ISO/IEC 23002-7:2021)
TC 256	Pigments, dyestuffs and extenders			ISO/IEC 23003-4:2020/DAmD 1	Information technology — MPEG audio technologies — Part 4: Dynamic range control — Amendment 1: Side chain normalization
ISO/DIS 18314-5	Analytical colorimetry — Part 5: Procedure for colorimetric determination of colour differences of object colours according to equidistant colour spaces	2022-01-12		ISO/IEC DIS 23008-3	Information technology — High efficiency coding and media delivery in heterogeneous environments — Part 3: 3D audio (Revision of ISO/IEC 23008-3:2019/Amd 2:2020, ISO/IEC 23008-3:2019/Amd 1:2019, ISO/IEC 23008-3:2019)
TC 275	Sludge recovery, recycling, treatment and disposal			ISO/IEC DIS 23090-3	Information technology — Coded representation of immersive media — Part 3: Versatile video coding (Revision of ISO/IEC 23090-3:2021)
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			ISO/FDIS 9938	Aerospace — Polytetrafluoroethylene (PTFE) hose assemblies, classification 204 °C/28 000 kPa — Procurement specification (Revision of ISO 9938:1994)	2021-12-01

FDIS circulated

Period from 01 October to 01 November 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 4 Rolling bearings

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ISO/IEC FDIS 21122-1	Information technology — JPEG XS low-latency lightweight image coding system — Part 1: Core coding system (Revision of ISO/IEC 21122-1:2019)	2021-12-08				Price group
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				ISO 4727:2021	fr	Essential oil of palmarosa [Cymbopogon martini (Roxb.) W. Watson var. motia]	B
ISO 19085-15:2021	en fr	Woodworking machines — Safety — Part 15: Presses	F				
				ISO 5093:2021	en fr	Essential oil of lemon myrtle (Backhousia citriodora F. Muell.), citral type	B
ISO 19085-16:2021	en fr	Woodworking machines — Safety — Part 16: Table band saws and band re-saws	E	TC 58		Gas cylinders	
TC 42		Photography		ISO 11114-2:2021	en fr	Gas cylinders — Compatibility of cylinder and valve materials with gas contents — Part 2: Non-metallic materials	D
ISO 14548:2021	en	Photography — Dimensions of glass plates	A				
				ISO 10298:2018/ Amd 1:2021	en fr	Gas cylinders — Gases and gas mixtures — Determination of toxicity for the selection of cylinder valve outlets — Amendment 1	XZ
ISO 18947-2:2021	en	Imaging materials and prints — Abrasion resistance — Part 2: Rub testing of photographic prints	C				
ISO/TS 20791-2:2021	en	Photography — Photographic reflection prints — Part 2: Evaluation of colour variation in printing	C	ISO 23826:2021	en fr	Gas cylinders — Ball valves — Specification and testing	D
TC 44		Welding and allied processes		ISO 11439:2013/ Amd 1:2021	en fr	Gas cylinders — High pressure cylinders for the on-board storage of natural gas as a fuel for automotive vehicles — Amendment 1	XZ
ISO 15614-12:2021	en fr	Specification and qualification of welding procedures for metallic materials — Welding procedure test — Part 12: Spot, seam and projection welding	B	TC 59		Buildings and civil engineering works	
				ISO 10591:2021	en fr	Building and civil engineering sealants — Determination of adhesion/cohesion properties of sealants after immersion in water	A
ISO 3834-5:2021	en fr	Quality requirements for fusion welding of metallic materials — Part 5: Documents with which it is necessary to conform to claim conformity to the quality requirements of ISO 3834-2, ISO 3834-3 or ISO 3834-4	B				
				ISO 11432:2021	en fr	Building and civil engineering sealants — Determination of resistance to compression	A
TC 45		Rubber and rubber products		TC 61		Plastics	
ISO 27127:2021	en	Thermoplastic multi-layer (non-vulcanized) hoses and hose assemblies for the transfer of liquid petroleum gas and liquefied natural gas — Specification	D	ISO 14782:2021	en	Plastics — Determination of haze for transparent materials	B
ISO 19050:2021	en	Rubber, raw, vulcanized — Determination of metal content by ICP-OES	C	TC 68		Financial services	
				ISO 24366:2021	en	Financial services — Natural person identifier (NPI)	C
ISO 19242:2021	en	Rubber — Determination of total sulfur content by ion chromatography	C	TC 69		Applications of statistical methods	
				ISO/TR 27877:2021	en	Statistical analysis for evaluating the precision of binary measurement methods and their results	D
ISO 3934:2021	en	Rubber, vulcanized and thermoplastic — Preformed gaskets used in buildings — Classification, specifications and test methods	D				
				TC 71		Concrete, reinforced concrete and pre-stressed concrete	
ISO 4674-2:2021	en fr	Rubber- or plastics-coated fabrics — Determination of tear resistance — Part 2: Ballistic pendulum method	B	ISO 21725-1:2021	en	Simplified design of prestressed concrete bridges — Part 1: I-girder bridges	H
ISO 6452:2021	fr	Rubber- or plastics-coated fabrics — Determination of fogging characteristics of trim materials in the interior of automobiles	C	ISO 21725-2:2021	en	Simplified design of prestressed concrete bridges — Part 2: Box-girder bridges	H
ISO 25518:2021	en	Single-use rubber gloves for general applications — Specification	A	TC 82		Mining	

ISO 21795-1:2021	en	Mine closure and reclamation planning — Part 1: Requirements	C	ISO 19259:2021	en	Plain bearings — Bearings with embedded solid lubricants	B
ISO 21795-2:2021	en	Mine closure and reclamation planning — Part 2: Guidance	G	TC 126		Tobacco and tobacco products	
TC 85		Nuclear energy, nuclear technologies, and radiological protection		ISO 6488:2021	en	Tobacco and tobacco products — Determination of water content — Karl Fischer method	B
ISO 24459:2021	en	Determination of uranium content in samples coming from the nuclear fuel cycle by L-absorption edge spectrometry	C	ISO 16632:2021	en fr	Tobacco and tobacco products — Determination of water content — Gas-chromatographic method	B
TC 92		Fire safety		TC 131		Fluid power systems	
ISO/TR 5729:2021	fr	Evaluation of physical parameters of filter paper substrates for the determination of the ignition propensity of cigarettes	C	ISO 12151-3:2021	en fr	Connections for hydraulic fluid power and general use — Hose fittings — Part 3: Hose fittings with ISO 6162-1 or ISO 6162-2 flange ends	B
TC 94		Personal safety -- Personal protective equipment		TC 136		Furniture	
ISO 12609-1:2021	en fr	Eye and face protection against intense light sources used on humans and animals for cosmetic and medical applications — Part 1: Specification for products	C	ISO 4211-5:2021	en	Furniture — Tests for surface finishes — Part 5: Assessment of resistance to abrasion	B
ISO/TS 17420-8:2021	en	Respiratory protective devices — Performance requirements — Part 8: Special application chemical, biological, radiological and nuclear (CBRN) filtering and radiological-nuclear (RN) filtering RPD	G	TC 138		Plastics pipes, fittings and valves for the transport of fluids	
ISO/TS 17420-9:2021	en	Respiratory protective devices — Performance requirements — Part 9: Special application chemical, biological, radiological and nuclear (CBRN) supplied breathable RPD	F	ISO 15874-3:2013/Amd 2:2021	en fr	Plastics piping systems for hot and cold water installations — Polypropylene (PP) — Part 3: Fittings — Amendment 2	XZ
TC 102		Iron ore and direct reduced iron		ISO 15875-3:2003/Amd 2:2021	en fr	Plastics piping systems for hot and cold water installations — Crosslinked polyethylene (PE-X) — Part 3: Fittings — Amendment 2	XZ
ISO 4695:2021	en	Iron ores for blast furnace feedstocks — Determination of the reducibility by the rate of reduction index	B	ISO 15876-3:2017/Amd 2:2021	en fr	Plastics piping systems for hot and cold water installations — Polybutene (PB) — Part 3: Fittings — Amendment 2	XZ
TC 107		Metallic and other inorganic coatings		ISO 21003-3:2008/Amd 1:2021	en fr	Multilayer piping systems for hot and cold water installations inside buildings — Part 3: Fittings — Amendment 1	XZ
ISO 24449:2021	en	Metallic and other inorganic coatings — Determination of thermal conductivity of thermal barrier coatings at elevated temperature	B	ISO 22391-3:2009/Amd 2:2021	en fr	Plastics piping systems for hot and cold water installations — Polyethylene of raised temperature resistance (PE-RT) — Part 3: Fittings — Amendment 2	XZ
ISO 4524-3:2021	en	Metallic coatings — Test methods for electrodeposited gold and gold alloy coatings — Part 3: Electrographic tests for porosity	A	TC 150		Implants for surgery	
TC 113		Hydrometry		ISO 7206-10:2018/Amd 1:2021	fr	Implants for surgery — Partial and total hip-joint prostheses — Part 10: Determination of resistance to static load of modular femoral heads — Amendment 1	XZ
ISO 3716:2021	en	Hydrometry — Functional requirements and characteristics of suspended-sediment samplers	C	TC 159		Ergonomics	
TC 121		Anaesthetic and respiratory equipment		ISO 11228-1:2021	en	Ergonomics — Manual handling — Part 1: Lifting, lowering and carrying	G
IEC 60601-1-8:2006/Amd 2:2020		Medical electrical equipment — Part 1-8: General requirements for basic safety and essential performance — Collateral standard: General requirements, tests and guidance for alarm systems in medical electrical equipment and medical electrical systems — Amendment 2	BE	ISO/TR 23076:2021	en	Ergonomics — Recovery model for cyclical industrial work	H
TC 123		Plain bearings		TC 160		Glass in building	
				ISO 18543:2021	en fr	Glass in building — Electrochromic glazings — Accelerated ageing test and requirements	C

ISO 19916-3:2021	en fr	Glass in building — Vacuum insulating glass — Part 3: Test methods for evaluation of performance under temperature differences	D	ISO 23247-4:2021	en	Automation systems and integration — Digital twin framework for manufacturing — Part 4: Information exchange	F
TC 161		Controls and protective devices for gas and/or oil		ISO/TR 24463:2021	en	Digital validation by effective use of simulation	D
ISO 23551-6:2021	en	Safety and control devices for gas burners and gas-burning appliances — Particular requirements — Part 6: Thermoelectric flame supervision controls	D	TC 190		Soil quality	
TC 162		Doors, windows and curtain walling		ISO 23400:2021	en fr	Guidelines for the determination of organic carbon and nitrogen stocks and their variations in mineral soils at field scale	D
ISO 22496:2021	en	Windows and pedestrian doors — Vocabulary	A	TC 212		Clinical laboratory testing and in vitro diagnostic test systems	
TC 172		Optics and photonics		ISO 4307:2021	en fr	Molecular in vitro diagnostic examinations — Specifications for pre-examination processes for saliva — Isolated human DNA	B
ISO 11807-1:2021	en fr	Integrated optics — Vocabulary — Part 1: Optical waveguide basic terms and symbols	A	ISO 15190:2020	es	Medical laboratories — Requirements for safety	G
ISO 11807-2:2021	en fr	Integrated optics — Vocabulary — Part 2: Terms used in classification	A	ISO 16256:2021	en fr	Clinical laboratory testing and in vitro diagnostic test systems — Broth micro-dilution reference method for testing the in vitro activity of antimicrobial agents against yeast fungi involved in infectious diseases	C
ISO 14881:2021	en fr	Integrated optics — Interfaces — Parameters relevant to coupling properties	B	TC 214		Elevating work platforms	
TC 173		Assistive products		ISO 16653-2:2021	en	Mobile elevating work platforms — Design, calculations, safety requirements and test methods relative to special features — Part 2: MEWPs with non-conductive (insulating) components	D
ISO 10535:2021	en fr	Assistive products — Hoists for the transfer of persons — Requirements and test methods	G	TC 215		Health informatics	
ISO 24669:2021	en	Water-absorbent polyacrylate in urine absorbing products — Requirements	A	ISO/TS 22703:2021	en	Health informatics — Requirements for medication safety alerts	E
TC 182		Geotechnics		ISO 27789:2021	en fr	Health informatics — Audit trails for electronic health records	F
ISO 22475-1:2021	en	Geotechnical investigation and testing — Sampling methods and groundwater measurements — Part 1: Technical principles for the sampling of soil, rock and groundwater	H	ISO/TS 22690:2021	en	Genomics informatics — Reliability assessment criteria for high-throughput gene-expression data	B
TC 184		Automation systems and integration		TC 216		Footwear	
ISO/IEC TR 63306-2:2021	en	Smart manufacturing standards map (SM2) — Part 2: Catalogue	B	ISO 16190:2021	en fr	Footwear — Critical substances potentially present in footwear and footwear components — Test method to quantitatively determine polycyclic aromatic hydrocarbons (PAHs) in footwear materials	B
ISO 8000-66:2021	en	Data quality — Part 66: Data quality management: Assessment indicators for data processing in manufacturing operations	D	TC 219		Floor coverings	
ISO 23247-1:2021	en	Automation systems and integration — Digital twin framework for manufacturing — Part 1: Overview and general principles	B	ISO 2551:2020	fr	Textile floor coverings and textile floor coverings in tile form — Determination of dimensional changes due to the effects of varied water and heat conditions and distortion out of plane	A
ISO 23247-2:2021	en	Automation systems and integration — Digital twin framework for manufacturing — Part 2: Reference architecture	B	TC 221		Geosynthetics	
ISO 23247-3:2021	en	Automation systems and integration — Digital twin framework for manufacturing — Part 3: Digital representation of manufacturing elements	D	ISO/TR 18228-2:2021	en	Design using geosynthetics — Part 2: Separation	B

TC 224		Drinking water, wastewater and stormwater systems and services		ISO/TR 23016-3:2021	en	Fine bubble technology — Agricultural applications — Part 3: Guidelines for the minimum viable number concentration of ultrafine bubbles for promoting the germination of barley seeds	D
ISO/TR 24539:2021	fr	Service activities relating to drinking water supply, wastewater and stormwater systems — Examples of good practices for stormwater management	G	TC 286		Collaborative business relationship management	
TC 229		Nanotechnologies		ISO 44004:2021	en	Collaborative business relationship management — Guidelines for large organizations seeking collaboration with micro, small and medium-sized enterprises (MSMEs)	B
ISO/TS 19807-2:2021	en	Nanotechnologies — Magnetic nanomaterials — Part 2: Specification of characteristics and measurement methods for nanostructured magnetic beads for nucleic acid extraction	C	TC 298		Rare earth	
ISO/TS 23650:2021	en	Nanotechnologies — Evaluation of the antimicrobial performance of textiles containing manufactured nanomaterials	C	ISO 23664:2021	en	Traceability of rare earths in the supply chain from mine to separated products	C
TC 238		Solid biofuels		TC 309		Governance of organizations	
ISO/TS 21596:2021	en fr	Solid biofuels — Determination of grindability — Hardgrove type method for thermally treated biomass fuels	B	ISO 37000:2021	fr	Governance of organizations — Guidance	F
TC 249		Traditional Chinese medicine		ISO 37002:2021	es	Whistleblowing management systems — Guidelines	E
ISO 22467:2021	en	Traditional Chinese medicine — Determination of microorganisms in natural products	F	IULTCS		International Union of Leather Technologists and Chemists Societies	
ISO 23972:2021	en	Traditional Chinese medicine — Zingiber officinale rhizome	C	ISO 18219-1:2021	fr	Leather — Determination of chlorinated hydrocarbons in leather — Part 1: Chromatographic method for short-chain chlorinated paraffins (SCCPs)	C
TC 256		Pigments, dyestuffs and extenders		ISO 18219-2:2021	fr	Leather — Determination of chlorinated hydrocarbons in leather — Part 2: Chromatographic method for middle-chain chlorinated paraffins (MCCPs)	C
ISO 18314-4:2020	fr	Analytical colorimetry — Part 4: Metamerism index for pairs of samples for change of illuminant	D	JTC 1		Information technology	
TC 265		Carbon dioxide capture, transportation, and geological storage		ISO/IEC 23510:2021	en	Information technology — 3D printing and scanning — Framework for an Additive Manufacturing Service Platform (AMSP)	C
ISO 27919-2:2021	en	Carbon dioxide capture — Part 2: Evaluation procedure to assure and maintain stable performance of post-combustion CO ₂ capture plant integrated with a power plant	G	ISO/IEC 28360-1:2021	en	Information technology — Determination of chemical emission rates from electronic equipment — Part 1: Using consumables	G
TC 268		Sustainable cities and communities		ISO/IEC 30118-1:2021	en	Information technology — Open Connectivity Foundation (OCF) Specification — Part 1: Core specification	H
ISO 37106:2021	en	Sustainable cities and communities — Guidance on establishing smart city operating models for sustainable communities	G	ISO/IEC 30118-2:2021	en	Information technology — Open Connectivity Foundation (OCF) Specification — Part 2: Security specification	H
TC 269		Railway applications		ISO/IEC 30118-3:2021	en	Information technology — Open Connectivity Foundation (OCF) Specification — Part 3: Bridging specification	C
ISO 22752:2021	en fr	Railway applications — Bodyside windows for rolling stock	F	ISO/IEC 30118-4:2021	en	Information technology — Open Connectivity Foundation (OCF) Specification — Part 4: Resource type specification	H
TC 276		Biotechnology		ISO/IEC 30118-5:2021	en	Information technology — Open Connectivity Foundation (OCF) Specification — Part 5: OCF device specification	G
ISO/TS 23105:2021	en	Biotechnology — Biobanking — Requirements for the biobanking of plant biological material for research and development	D	TC 281		Fine bubble technology	
ISO/TS 23565:2021	en	Biotechnology — Bioprocessing — General requirements and considerations for equipment systems used in the manufacturing of cells for therapeutic use	C				

ISO/IEC 30118-6:2021	en	Information technology — Open Connectivity Foundation (OCF) Specification — Part 6: Resource to AllJoyn interface mapping specification	G	ISO/IEC/IEEE 8802-3:2021/ Amd 4:2021	en	Telecommunications and exchange between information technology systems — Requirements for local and metropolitan area networks — Part 3: Standard for Ethernet — Amendment 4: Physical layers and management parameters for 50 Gb/s, 200 Gb/s, and 400 Gb/s operation over single-mode fiber	B
ISO/IEC 30118-7:2021	en	Information Technology – Open Connectivity Foundation (OCF) Specification — Part 7: Wi-Fi easy setup specification	E				
ISO/IEC 30118-8:2021	en	Information technology – Open Connectivity Foundation (OCF) Specification — Part 8: OCF resource to oneM2M resource mapping specification	H	ISO/IEC/IEEE 8802-3:2021/ Amd 6:2021	en	Telecommunications and exchange between information technology systems — Requirements for local and metropolitan area networks — Part 3: Standard for Ethernet — Amendment 6: Maintenance #13: Power over ethernet over 2 pairs	XZ
ISO/IEC 30118-9:2021	en	Information technology – Open Connectivity Foundation (OCF) Specification — Part 9: Core optional specification	H				
ISO/IEC 30118-10:2021	en	Information technology – Open Connectivity Foundation (OCF) Specification — Part 10: Cloud API for cloud services specification	G	ISO/IEC/IEEE 8802-3:2021/ Amd 7:2021	en	Telecommunications and exchange between information technology systems — Requirements for local and metropolitan area networks — Part 3: Standard for Ethernet — Amendment 7: Physical layer and management parameters for 400 Gb/s over multimode fiber	B
ISO/IEC 30118-11:2021	en	Information technology – Open Connectivity Foundation (OCF) Specification — Part 11: Device to cloud services specification	F	ISO/IEC/IEEE 8802-3:2021/ Amd 8:2021	en	Telecommunications and exchange between information technology systems — Requirements for local and metropolitan area networks — Part 3: Standard for Ethernet — Amendment 8: Physical layer specifications and management parameters for 2.5 Gb/s, 5 Gb/s, and 10 Gb/s automotive electrical ethernet	D
ISO/IEC 30118-12:2021	en	Information technology – Open Connectivity Foundation (OCF) Specification — Part 12: Cloud security specification	E				
ISO/IEC 30118-13:2021	en	Information technology – Open Connectivity Foundation (OCF) Specification — Part 13: Onboarding tool specification	B	ISO/IEC TR 24587:2021	en	Software and systems engineering — Agile development — Agile adoption considerations	D
ISO/IEC 30118-14:2021	en	Information technology – Open Connectivity Foundation (OCF) Specification — Part 14: OCF resource to BLE mapping specification	F				
ISO/IEC 30118-15:2021	en	Information technology – Open Connectivity Foundation (OCF) Specification — Part 15: OCF resource to EnOcean mapping specification	G	ISO/IEC/IEEE 29119-2:2021	en	Software and systems engineering — Software testing — Part 2: Test processes	G
ISO/IEC 30118-16:2021	en	Information technology — Open Connectivity Foundation (OCF) Specification — Part 16: OCF resource to UPlus mapping specification	C	ISO/IEC/IEEE 29119-3:2021	en	Software and systems engineering — Software testing — Part 3: Test documentation	H
ISO/IEC 30118-17:2021	en	Information technology – Open Connectivity Foundation (OCF) Specification — Part 17: OCF resource to Zigbee cluster mapping specification	G	ISO/IEC/IEEE 29119-4:2021	en	Software and systems engineering — Software testing — Part 4: Test techniques	H
ISO/IEC 30118-18:2021	en	Information technology – Open Connectivity Foundation (OCF) Specification — Part 18: OCF resource to Z-wave mapping specification	E	ISO/IEC/IEEE 32430:2021	en	Software engineering — Trial use standard for software non-functional sizing measurements	G
ISO/IEC/IEEE 8802-1Q:2020/ Amd 31:2021	en	Telecommunications and exchange between information technology systems — Requirements for local and metropolitan area networks — Part 1Q: Bridges and bridged networks — Amendment 31: Stream Reservation Protocol (SRP) enhancements and performance improvements	D	ISO/IEC 23360-1- 1:2021	en	Linux Standard Base (LSB) — Part 1-1: Common definitions	B
				ISO/IEC 23360-1- 2:2021	en	Linux Standard Base (LSB) — Part 1-2: Core specification generic part	H
ISO/IEC/ IEEE 8802- 1CM:2019/ Amd 1:2021	en	Telecommunications and information exchange between information technology systems — Requirements for local and metropolitan area networks — Part 1CM: Time-sensitive networking for fronthaul — Amendment 1: Enhancements to fronthaul profiles to support new fronthaul interface, synchronization, and syntonization standards	B	ISO/IEC 23360-1- 3:2021	en	Linux Standard Base (LSB) — Part 1-3: Desktop specification generic part	H
				ISO/IEC 23360-1- 4:2021	en	Linux Standard Base (LSB) — Part 1-4: Languages specification	H
				ISO/IEC 23360-1- 5:2021	en	Linux Standard Base (LSB) — Part 1-5: Imaging specification	G

ISO/IEC TS 23360-1- 6:2021	en	Linux Standard Base (LSB) — Part 1-6: Graphics and Gtk3 specification	H	ISO/IEC 15408-3:2008	fr	Information technology — Security techniques — Evaluation criteria for IT security — Part 3: Security assur- ance components	H
ISO/IEC 23360-2- 2:2021	en	Linux Standard Base (LSB) — Part 2-2: Core specification for X86-32 architecture	H	ISO/IEC 27555:2021	en	Information security, cybersecurity and privacy protection — Guidelines on personally identifiable information deletion	D
ISO/IEC 23360-2- 3:2021	en	Linux Standard Base (LSB) — Part 2-3: Desktop specification for X86-32 architecture	H	ISO/IEC 15444-4:2021	en	Information technology — JPEG 2000 image coding system — Part 4: Conformance Testing	F
ISO/IEC 23360-3- 2:2021	en	Linux Standard Base (LSB) — Part 3-2: Core specification for IA64 (Ita- nium™) architecture	H	ISO/IEC 15444-5:2021	en	Information technology — JPEG 2000 image coding system — Part 5: Reference software	D
ISO/IEC 23360-3- 3:2021	en	Linux Standard Base (LSB) — Part 3-3: Desktop specification for IA64 (Itanium™) architecture	H	ISO/IEC 18181-2:2021	en	Information technology — JPEG XL image coding system — Part 2: File format	C
ISO/IEC 23360-4- 2:2021	en	Linux Standard Base (LSB) — Part 4-2: Core specification for AMD64 (X86-64) architecture	H	ISO/IEC 23001- 14:2019/Amd 1:2021	en	Information technology — MPEG systems technologies — Part 14: Partial file format — Amendment 1: Support for HTTP entities, enhanced file type and byte-range priorities	XZ
ISO/IEC 23360-4- 3:2021	en	Linux Standard Base (LSB) — Part 4-3: Desktop specification for AMD64 (X86-64) architecture	H	ISO/IEC 23008-6:2021	en	Information technology — High ef- ficiency coding and media delivery in heterogeneous environments — Part 6: 3D audio reference software	A
ISO/IEC 23360-5- 2:2021	en	Linux Standard Base (LSB) — Part 5-2: Core specification for PowerPC 32 architecture	H	ISO/IEC 23090-17:2021	en	Information technology — Coded representation of immersive media — Part 17: Reference software and conformance for omnidirectional media format (OMAF)	B
ISO/IEC 23360-5- 3:2021	en	Linux Standard Base (LSB) — Part 5-3: Desktop specification for Pow- erPC 32 architecture	H	ISO/IEC 23091-2:2021	en	Information technology — Coding- independent code points — Part 2: Video	E
ISO/IEC 23360-6- 2:2021	en	Linux Standard Base (LSB) — Part 6-2: Core specification for PowerPC 64 architecture	H	ISO/IEC 19794-7:2021	en	Information technology — Biometric data interchange formats — Part 7: Signature/sign time series data	H
ISO/IEC 23360-6- 3:2021	en	Linux Standard Base (LSB) — Part 6-3: Desktop specification for Pow- erPC 64 architecture	H	ISO/IEC 21472:2021	en	Information technology — Scenario evaluation methodology for user interaction influence in biometric system performance	C
ISO/IEC 23360-7- 2:2021	en	Linux Standard Base (LSB) — Part 7-2: Core specification for S390 architecture	H	ISO/IEC 22237-1:2021	en	Information technology — Data centre facilities and infrastructures — Part 1: General concepts	E
ISO/IEC 23360-7- 3:2021	en	Linux Standard Base (LSB) — Part 7-3: Desktop specification for S390 architecture	H	ISO/IEC 22237-3:2021	en	Information technology — Data centre facilities and infrastructures — Part 3: Power distribution	E
ISO/IEC 23360-8- 2:2021	en	Linux Standard Base (LSB) — Part 8-2: Core specification for S390X architecture	H	ISO/IEC 22237-4:2021	en	Information technology — Data centre facilities and infrastructures — Part 4: Environmental control	D
ISO/IEC 23360-8- 3:2021	en	Linux Standard Base (LSB) — Part 8-3: Desktop specification for S390X architecture	H	ISO/IEC TS 30105-6:2021	en	Information technology — IT Enabled Services-Business Process Out- sourcing (ITES-BPO) lifecycle pro- cesses — Part 6: Guidelines on risk management	C
ISO/IEC TS 23619:2021	en	Information technology — C++ ex- tensions for reflection	F				
ISO/IEC 11770-3:2021	en	Information security — Key manage- ment — Part 3: Mechanisms using asymmetric techniques	H				
ISO/IEC 15408-2:2008	fr	Information technology — Security techniques — Evaluation criteria for IT security — Part 2: Security func- tional components	H				

Standards confirmed

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

TC 2	Fasteners	ISO 9140:1998	(reconfirmed)
		ISO 9156:1998	(reconfirmed)
		ISO 9157:2002	(reconfirmed)
		ISO 9199:1998	(reconfirmed)
		ISO 9254:1993	(reconfirmed)
		ISO 9256:1993	(reconfirmed)
		ISO 9609:2016	
		ISO 9618:2016	
		ISO 10959:2016	
		ISO 12260:2016	
		ISO 12268:1997	(reconfirmed)
		ISO 12272:1998	(reconfirmed)
		ISO 12273:2010	(reconfirmed)
		ISO 12274:1997	(reconfirmed)
		ISO 12277:2000	(reconfirmed)
		ISO 12278:1999	(reconfirmed)
		ISO 12280:1999	(reconfirmed)
		ISO 12281:1999	(reconfirmed)
		ISO 12289:2016	
		ISO 13589:1998	(reconfirmed)
		ISO 16130:2015	
		ISO 17057:1999	(reconfirmed)
TC 4	Rolling bearings	TC 21	Equipment for fire protection and fire fighting
ISO 281:2007	(reconfirmed)	ISO/TS	(reconfirmed)
TC 17	Steel	11602-1:2010	
ISO 6931-2:2005	(reconfirmed)	ISO/TS	(reconfirmed)
ISO 9442:1988	(reconfirmed)	11602-2:2010	
ISO 11692:1994	(reconfirmed)	ISO 6182-9:2005	(reconfirmed)
ISO 1005-1:1994	(reconfirmed)	ISO 6184-1:1985	(reconfirmed)
ISO 1005-3:1982	(reconfirmed)	ISO 6184-2:1985	(reconfirmed)
ISO 1005-6:1994	(reconfirmed)	ISO 6184-3:1985	(reconfirmed)
ISO 1005-7:1982	(reconfirmed)	ISO 6184-4:1985	(reconfirmed)
ISO 5003:2016		TC 22	Road vehicles
TC 20	Aircraft and space vehicles	ISO 13674-2:2016	
ISO 3161:1999	(reconfirmed)	ISO 6624-2:2016	
ISO 3168:1998	(reconfirmed)	ISO 6624-4:2016	
ISO 3191:1998	(reconfirmed)	ISO 12103-1:2016	
ISO 3209:2016		IEC 62752:2016	
ISO 3221:1998	(reconfirmed)	TC 23	Tractors and machinery for agriculture and forestry
ISO 3222:1998	(reconfirmed)	ISO 8334:2007	(reconfirmed)
ISO 3223:1998	(reconfirmed)	TC 28	Petroleum and related products, fuels and lubricants from natural or synthetic sources
ISO 3224:1998	(reconfirmed)	ISO 2719:2016	
ISO 3225:1998	(reconfirmed)	ISO 2977:1997	(reconfirmed)
ISO 4147:1997	(reconfirmed)	ISO 3014:1993	(reconfirmed)
ISO 5855-1:1999	(reconfirmed)	ISO 4404-2:2010	(reconfirmed)
ISO 5855-2:1999	(reconfirmed)	ISO 13737:2004	(reconfirmed)
ISO 5855-3:1999	(reconfirmed)	ISO 20783-1:2011	(reconfirmed)
ISO 5858:1999	(reconfirmed)	ISO 20843:2011	(reconfirmed)
ISO 7332:1998	(reconfirmed)	TC 29	Small tools
ISO 7913:1994	(reconfirmed)	ISO 6753-2:1998	(reconfirmed)
ISO 7995:2002	(reconfirmed)	ISO 10071-2:2005	(reconfirmed)
ISO 8279:2008	(reconfirmed)	ISO 1174-2:1996	(reconfirmed)
ISO 8280:1993	(reconfirmed)	ISO 7738:2015	
ISO 8538:1999	(reconfirmed)		
ISO 8641:2008	(reconfirmed)		
ISO 8642:2008	(reconfirmed)		
ISO 8940:2002	(reconfirmed)		
ISO 9139:1998	(reconfirmed)		

TC 34	Food products	ISO 16637:2016	
ISO 1735:2004	(reconfirmed)	ISO 16638-1:2015	
ISO 5543:2004	(reconfirmed)	ISO 28218:2010	(reconfirmed)
TC 37	Language and terminology	TC 96	Cranes
ISO 24617-6:2016		ISO 11994:1997	(reconfirmed)
TC 39	Machine tools	ISO 13200:1995	(reconfirmed)
ISO 8525:2008	(reconfirmed)	ISO 8566-1:2010	(reconfirmed)
ISO 702-2:2007	(reconfirmed)	ISO 10972-3:2003	(reconfirmed)
ISO 702-3:2007	(reconfirmed)	ISO 11660-3:2008	(reconfirmed)
ISO 702-4:2004	(reconfirmed)	ISO 8566-4:1998	(reconfirmed)
ISO 3442-3:2007	(reconfirmed)	ISO 4301-1:2016	
TC 43	Acoustics	ISO 17440:2014	
ISO 1996-1:2016		ISO 20332:2016	
ISO/TS 12913-2:2018		TC 98	Bases for design of structures
ISO 3822-1:1999	(reconfirmed)	ISO 13822:2010	(reconfirmed)
ISO 3822-2:1995	(reconfirmed)	TC 102	Iron ore and direct reduced iron
ISO 15186-1:2000	(reconfirmed)	ISO 10835:2007	(reconfirmed)
ISO 16283-3:2016		TC 106	Dentistry
TC 44	Welding and allied processes	ISO/TS 14569-2:2001	(reconfirmed)
ISO 9015-2:2016		ISO 18739:2016	
ISO/TR 16060:2003	(reconfirmed)	TC 110	Industrial trucks
ISO/TR 17671-7:2004	(reconfirmed)	ISO 15870:2000	(reconfirmed)
TC 45	Rubber and rubber products	TC 119	Powder metallurgy
ISO 12492:2012	(reconfirmed)	ISO 28079:2009	(reconfirmed)
ISO 1421:2016		TC 122	Packaging
ISO 2286-3:2016		ISO 8317:2015	
ISO 4635:2011	(reconfirmed)	TC 131	Fluid power systems
ISO 4637:1979	(reconfirmed)	ISO 7789:2007	(reconfirmed)
ISO 5470-1:2016		ISO 4413:2010	(reconfirmed)
ISO 6072:2011	(reconfirmed)	ISO 4414:2010	(reconfirmed)
TC 54	Essential oils	TC 138	Plastics pipes, fittings and valves for the transport of fluids
ISO 3217:1974	(reconfirmed)	ISO/TR 4191:2014	
TC 59	Buildings and civil engineering works	ISO 13950:2007	(reconfirmed)
ISO 29481-1:2016		ISO 14531-3:2010	(reconfirmed)
TC 60	Gears	ISO 1167-1:2006	(reconfirmed)
ISO 701:1998	(reconfirmed)	ISO 1167-2:2006	(reconfirmed)
ISO 1122-2:1999	(reconfirmed)	ISO 9967:2016	
TC 67	Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries	ISO 9969:2016	
ISO 13678:2010	(reconfirmed)	ISO 11414:2009	(reconfirmed)
TC 68	Financial services	ISO 12162:2009	(reconfirmed)
ISO/TR 14742:2010	(reconfirmed)	ISO 13951:2015	
TC 70	Internal combustion engines	ISO 13954:1997	(reconfirmed)
ISO 3046-4:2009	(reconfirmed)	ISO 13956:2010	(reconfirmed)
TC 85	Nuclear energy, nuclear technologies, and radiological protection	TC 145	Graphical symbols
ISO 7503-1:2016		ISO 3864-4:2011	(reconfirmed)
ISO 7503-2:2016		TC 147	Water quality
ISO 7503-3:2016		ISO 5667-5:2006	(reconfirmed)
ISO 8529-2:2000	(reconfirmed)	TC 159	Ergonomics
ISO 11665-11:2016		ISO 11228-2:2007	(reconfirmed)
		ISO/IEC 25066:2016	
		TC 160	Glass in building
		ISO 1288-3:2016	(reconfirmed)
		ISO 1288-5:2016	

TC 164	Mechanical testing of metals
ISO 7500-2:2006	(reconfirmed)
ISO 14577-1:2015	
ISO 14577-2:2015	
ISO 14577-3:2015	
ISO 22889:2013	
TC 172	Optics and photonics
ISO 14132-4:2015	
ISO 14133-1:2016	
ISO 14133-2:2016	
ISO 14134:2006	(reconfirmed)
ISO 14490-1:2005	(reconfirmed)
ISO 14490-2:2005	(reconfirmed)
ISO 14490-4:2005	(reconfirmed)
TC 184	Automation systems and integration
ISO/TS 14649-201:2011	(reconfirmed)
TC 188	Small craft
ISO 6185-1:2001	(reconfirmed)
ISO 6185-2:2001	(reconfirmed)
ISO 8665:2006	(reconfirmed)
ISO 13591:1997	(reconfirmed)
ISO 13592:1998	(reconfirmed)
ISO 14895:2016	
ISO 15584:2001	(reconfirmed)
TC 190	Soil quality
ISO 10693:1995	(reconfirmed)
ISO 10694:1995	(reconfirmed)
ISO 11048:1995	(reconfirmed)
ISO 11263:1994	(reconfirmed)
ISO 13536:1995	(reconfirmed)
ISO 15009:2016	
ISO/TS 17182:2014	(reconfirmed)
ISO 22155:2016	
ISO 22030:2005	(reconfirmed)
ISO 23611-2:2006	(reconfirmed)
TC 193	Natural gas
ISO/TR 16922:2013	(reconfirmed)
TC 198	Sterilization of health care products
ISO 18362:2016	
TC 201	Surface chemical analysis
ISO 12406:2010	(reconfirmed)
ISO 14237:2010	(reconfirmed)
TC 204	Intelligent transport systems
ISO/TS 24533:2012	(reconfirmed)
TC 215	Health informatics
ISO/IEEE 11073-00103:2015	
ISO/TS 16843-3:2017	
ISO/TS 16843-4:2017	
ISO/TS 17938:2014	(reconfirmed)

JTC 1	Information technology
ISO/IEC 7501-1:2008	(reconfirmed)
ISO/IEC 7816-1:2011	(reconfirmed)
ISO/IEC 7816-15:2016	
ISO/IEC 10373-2:2015	
ISO/IEC 20060:2010	(reconfirmed)
ISO/IEC 24727-5:2011	(reconfirmed)
ISO/IEC 24727-6:2010	(reconfirmed)

Standards withdrawn

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TC 4	Rolling bearings
ISO 12297:2012	(replaced by ISO 12297-1:2021)
TC 92	Fire safety
ISO/TR 22899-2:2013	(replaced by)
TC 113	Hydrometry
ISO/TS 3716:2006	(replaced by ISO 3716:2021)
TC 162	Doors, windows and curtain walling
ISO 1804:1972	(replaced by ISO 22496:2021)
TC 164	Mechanical testing of metals
ISO/TTA 2:1997	(replaced by)
TC 216	Footwear
ISO/TS 16190:2013	(replaced by ISO 16190:2021)
JTC 1	Information technology
ISO/IEC 7350:1991	(replaced by)
ISO/IEC 23360-1:2006	(replaced by ISO/IEC 23360-1-1:2021, ISO/IEC 23360-1-2:2021, ISO/IEC 23360-1-3:2021, ISO/IEC 23360-1-4:2021, ISO/IEC 23360-1-5:2021, ISO/IEC TS 23360-1-6:2021)
ISO/IEC 23360-2:2006	(replaced by ISO/IEC 23360-2-2:2021, ISO/IEC 23360-2-3:2021)
ISO/IEC 23360-3:2006	(replaced by ISO/IEC 23360-3-2:2021, ISO/IEC 23360-3-3:2021)
ISO/IEC 23360-4:2006	(replaced by ISO/IEC 23360-4-2:2021, ISO/IEC 23360-4-3:2021)
ISO/IEC 23360-5:2006	(replaced by ISO/IEC 23360-5-2:2021, ISO/IEC 23360-5-3:2021)
ISO/IEC 23360-6:2006	(replaced by ISO/IEC 23360-6-2:2021, ISO/IEC 23360-6-3:2021)
ISO/IEC 23360-7:2006	(replaced by ISO/IEC 23360-7-2:2021, ISO/IEC 23360-7-3:2021)
ISO/IEC 23360-8:2006	(replaced by ISO/IEC 23360-8-2:2021, ISO/IEC 23360-8-3:2021)
ISO/IEC TS 22237-1:2018	(replaced by ISO/IEC 22237-1:2021)