

# ISO Update

Supplement to ISOfocus

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April 2019

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# 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 31 March 2019

These documents are currently under consideration in the technical committee.

They have been registered at the Central Secretariat.

TC 5	Ferrous metal pipes and metallic fittings
ISO/CD 21799	External corrosion protection system for Ductile Iron Pipes and Fittings
TC 6	Paper, board and pulps
ISO/CD 8791-4	Paper and board — Determination of roughness/smoothness (air leak methods) — Part 4: Print-surf method
TC 17	Steel
ISO/CD 15177	Hot-rolled twin-roll cast carbon steel sheet of commercial quality
ISO/CD 15179	Hot-rolled twin-roll cast steel sheet of structural quality and high strength steel
ISO/CD 15208	Continuous hot-dip zinc-coated twin-roll cast steel sheet of commercial quality
ISO/CD 15211	Continuous hot-dip zinc-coated twin-roll cast steel sheet of structural quality and high strength steel
TC 22	Road vehicles
ISO/CD 3584	Road vehicles — Drawbar couplings — Interchangeability
ISO 18868:2013/CD Amd 1	Commercial road vehicles — Coupling equipment between vehicles in multiple vehicle combinations — Strength requirements — Amendment 1
TC 23	Tractors and machinery for agriculture and forestry
ISO/CD 17567	Agricultural and forestry tractors and implements — Hydraulic power beyond
TC 27	Solid mineral fuels
ISO/CD 1213-1	Solid mineral fuels — Vocabulary — Part 1: Terms relating to coal preparation
TC 34	Food products
ISO/CD 6647-1	Rice — Amylose content — Part 1: Determination of amylose

ISO/CD 6647-2	Rice — Amylose content — Part 2: Determination of absolute amylose
ISO/CD 23942	Determination of hydroxytyrosol and tyrosol content in extra virgin olive oils — HPLC method
ISO/CD 20784	Guidance on substantiation for sensory and consumer claims
TC 35	Paints and varnishes
ISO/CD 11127-1	Preparation of steel substrates before application of paints and related products — Test methods for non-metallic blast-cleaning abrasives — Part 1: Sampling
ISO/CD 11127-2	Preparation of steel substrates before application of paints and related products — Test methods for non-metallic blast-cleaning abrasives — Part 2: Determination of particle size distribution
ISO/CD 11127-3	Preparation of steel substrates before application of paints and related products — Test methods for non-metallic blast-cleaning abrasives — Part 3: Determination of apparent density
ISO/CD 11127-4	Preparation of steel substrates before application of paints and related products — Test methods for non-metallic blast-cleaning abrasives — Part 4: Assessment of hardness by a glass slide test
ISO/CD 11127-5	Preparation of steel substrates before application of paints and related products — Test methods for non-metallic blast-cleaning abrasives — Part 5: Determination of moisture
TC 39	Machine tools
ISO/CD 3408-2	Ball screws — Part 2: Nominal diameters and nominal leads — Metric series
TC 42	Photography
ISO/CD 18947-1	Imaging materials, graphic and information technology — Relative abrasion, smudge, and scuff resistance of prints and substrates — Part 1: General
ISO/CD 18947-2	Imaging materials, graphic and information technology — Relative abrasion, smudge, and scuff resistance of prints and substrates — Part 2: Photographic prints for consumer home use
TC 43	Acoustics
ISO/DTS 12913-3	Acoustics — Soundscape — Part 3: Data Analysis (ISO/TS 12913-3)
ISO/DTR 17534-4	Acoustics — Software for the calculation of sound outdoors — Part 4: Recommendations for quality assured implementation of CNOS-SOS EU calculation methods in software according to ISO 17534-1
TC 45	Rubber and rubber products
ISO/CD 2928	Rubber hoses and hose assemblies for liquefied petroleum gas (LPG) in the liquid or gaseous phase and natural gas up to 25 bar (2,5 MPa) — Specification
ISO/CD 3861	Rubber hoses for sand and grit blasting — Specification
ISO/CD 7233	Rubber and plastics hoses and hose assemblies — Determination of resistance to vacuum
ISO/CD 14557	Fire-fighting hoses — Rubber and plastics suction hoses and hose assemblies

ISO/CD 20444-1	Rubber and plastics hoses — Determination of abrasion resistance of the outer cover — Part 1: Abrasion tests where the hose is rotated against a reciprocating abrasion tool	ISO/DTS 15311-1	Graphic technology — Print quality requirements for printed matter — Part 1: Measurement methods and reporting schema
ISO/CD 20444-2	Rubber and plastics hoses — Determination of abrasion resistance of the outer cover — Part 2: Abrasion tests using abrasive wheel	ISO/CD 15930-9	Graphic technology — Prepress digital data exchange using PDF — Part 9: Complete exchange of printing data (PDF/X-6) and partial exchange of printing data with external profile reference (PDF/X-6p and PDF/X-6n) using PDF 2.0
TC 61	Plastics		
ISO/CD 23706	Plastics — Determination of apparent activation energies of property changes in standard weathering test methods	ISO/DTS 18621-31	Image quality evaluation methods for printed matter — Part 31: Evaluation of the perceived resolution of printing systems with the contrast-resolution chart
ISO/DTR 21960	Plastics in the Environment — Current state of knowledge and methodologies	ISO/CD 20616-1	Graphic technology — File format for quality control and metadata — Part 1: Print requirements exchange (PRX)
TC 68	Financial services		
ISO/DTS 23029	Web Service Based Application Programming Interface (API) in Financial Services [WAPI]	ISO/DTR 23031	Graphic technology — Assessment and validation of the performance of spectrophotometers and spectrodensitometers
TC 84	Devices for administration of medicinal products and catheters	ISO/CD 23498	Graphic technology — Visual opacity of white ink
ISO/CD 11608-1	Needle-based injection systems for medical use — Requirements and test methods — Part 1: Needle-based injection systems	TC 147	Water quality
ISO/CD 11608-2	Needle-based injection systems for medical use — Requirements and test methods — Part 2: Needles	ISO/CD 23655-1	Water quality — Nickel-59 and nickel-63 — Part 1: Test method using liquid scintillation counting
ISO/CD 11608-3	Needle-based injection systems for medical use — Requirements and test methods — Part 3: Finished containers	ISO/CD 23655-2	Water quality — Nickel-59 and nickel-63 — Part 2: Test method using ICP-MS
ISO/CD 11608-4	Needle-based injection systems for medical use — Requirements and test methods — Part 4: Needle-based injection systems containing electronics	TC 149	Cycles
ISO/CD 11608-5	Needle-based injection systems for medical use — Requirements and test methods — Part 5: Automated or device-driven features	ISO/CD 4210-1	Cycles — Safety requirements for bicycles — Part 1: Terms and definitions
ISO/CD 11608-6	Needle-based injection systems for medical use — Requirements and test methods — Part 6: On-body delivery systems	ISO/CD 4210-2	Cycles — Safety requirements for bicycles — Part 2: Requirements for city and trekking, young adult, mountain and racing bicycles
TC 85	Nuclear energy, nuclear technologies, and radiological protection	ISO/CD 4210-3	Cycles — Safety requirements for bicycles — Part 3: Common test methods
ISO/CD 21146	Classification of Transients and Accidents for Pressurized Water Reactor	ISO/CD 4210-4	Cycles — Safety requirements for bicycles — Part 4: Braking test methods
ISO/CD 23467	Guidance of ice plug isolation technique for nuclear power station	ISO/CD 4210-5	Cycles — Safety requirements for bicycles — Part 5: Steering test methods
TC 86	Refrigeration and air-conditioning	ISO/CD 4210-6	Cycles — Safety requirements for bicycles — Part 6: Frame and fork test methods
ISO/CD 21773	Method of test and characterization of performance for energy recovery components	ISO/CD 4210-7	Cycles — Safety requirements for bicycles — Part 7: Wheels and rims test methods
TC 92	Fire safety	ISO/CD 4210-8	Cycles — Safety requirements for bicycles — Part 8: Pedal and drive system test methods
ISO/DTS 5660-5	Reaction-to-fire tests — Heat release, smoke production and mass loss rate — Part 5: Heat release rate (cone calorimeter method) and smoke production rate (dynamic measurement) under oxygen reduced atmospheres	ISO/CD 4210-9	Cycles — Safety requirements for bicycles — Part 9: Saddles and seat-post test methods
TC 94	Personal safety -- Personal protective equipment	ISO/CD 8098	Cycles — Safety requirements for bicycles for young children
ISO/DTS 16976-5	Respiratory protective devices — Human factors — Part 5: Thermal effects	ISO/CD 11243	Cycles — Luggage carriers for bicycles — Requirements and test methods
ISO/DTS 16976-7	Respiratory protective devices — Human factors — Part 7: Hearing and speech	TC 150	Implants for surgery
TC 108	Mechanical vibration, shock and condition monitoring	ISO/CD 14708-4	Implants for surgery — Active implantable medical devices — Part 4: Implantable infusion pumps
ISO/CD 8041-2	Human response to vibration — Measuring instrumentation — Part 2: Personal vibration exposure meters	TC 154	Processes, data elements and documents in commerce, industry and administration
ISO 16063-1:1998/CD Amd 2	Methods for the calibration of vibration and shock transducers — Part 1: Basic concepts — Amendment 2	ISO/CD 23354	Business requirements for end-to-end visibility of logistics flow
TC 130	Graphic technology	TC 158	Analysis of gases
		ISO/CD 19230	Gas analysis — Sampling guidelines
		TC 184	Automation systems and integration
		ISO/CD 22549-2	Assessment on convergence of informatization and industrialization for industrial enterprises — Part 2: Maturity model and evaluation questionnaires

TC 188	Small craft	ISO/IEC CD 18046-3	Information technology — Radio frequency identification device performance test methods — Part 3: Test methods for tag performance
ISO/CD 10592	Small craft — Hydraulic steering systems	ISO/IEC CD 19823-16	Information technology — Conformance test methods for security service crypto suites — Part 16: Part 16: Crypto suite ECDSA-ECDH security services for air interface communications
TC 207	Environmental management	ISO/IEC CD 29160	Information technology — Radio frequency identification for item management — RFID Emblem
ISO/CD 14030-4	Environmental performance evaluation — Green debt instruments — Part 4: Verification	ISO/IEC PDTS 20748-3	Information technology for learning, education and training — Learning analytics interoperability — Part 3: Guideline for data interoperability
TC 211	Geographic information/Geomatics	ISO/IEC CD 2382-37	Information technology — Vocabulary — Part 37: Biometrics
ISO/CD 19166	Geographic information — BIM to GIS conceptual mapping (B2GM)	ISO/IEC CD 19785-1	Information technology — Common Biometric Exchange Formats Framework — Part 1: Data element specification
TC 215	Health informatics	ISO/IEC CD 19795-1	Information technology — Biometric performance testing and reporting — Part 1: Principles and framework
ISO/DTR 22696	Health informatics — Guidance for identification and authentication for connectable personal healthcare devices	ISO/IEC PDTS 19795-9	Information technology — Biometric performance testing and reporting — Part 9: Testing on mobile devices
ISO/CD 27789	Health informatics — Audit trails for electronic health records	ISO/IEC CD 39794-6	Information technology — Extensible biometric data interchange formats — Part 6: Iris image data
TC 221	Geosynthetics		
ISO/DTR 18228-3	Design using geosynthetics — Part 3: Filtration		
ISO/DTR 18228-4	Design using geosynthetics — Part 4: Drainage		
ISO/DTR 18228-7	Design using geosynthetics — Part 7: Reinforcement		
ISO/DTR 18228-9	Design using geosynthetics — Part 9: Barriers		
TC 249	Traditional Chinese medicine		
ISO/CD 19609-1	Traditional Chinese medicine — Quality and safety of natural materials and manufacturing products made with natural materials — Part 1: General requirements		
ISO/CD 19609-2	Traditional Chinese medicine — Quality and safety of natural materials and manufacturing products made with natural materials — Part 2: Identity testing		
ISO/CD 21292	Traditional Chinese medicine — Electric heating moxibustion equipment		
TC 260	Human resource management		
ISO/CD 30415	Diversity and inclusion		
TC 281	Fine bubble technology		
ISO/DTR 23015	Fine bubble technology — Measurement technique matrix for the characterization of fine bubbles		
TC 292	Security and resilience		
ISO/CD 22383	Security and resilience — Authenticity, integrity and trust for products and documents — Performance criteria for authentication solutions used to ensure genuineness and integrity of material goods		Vote terminates
ISO/CD 22384	Security and resilience — Authenticity, integrity and trust for products and documents — Guidelines to establish and monitor a protection plan and its implementation		
TC 300	Solid Recovered Fuels		
ISO/CD 21644	Solid recovered fuels — Method for the determination of biomass content		
ISO/CD 21663	Solid recovered fuels — Methods for the determination of carbon (C), hydrogen (H), nitrogen (N) and sulphur (S) by the instrumental method		
JTC 1	Information technology		
ISO/IEC CD 18013-5	Information technology — Personal identification — ISO-compliant driving licence — Part 5: Mobile driving licence application (mDL)		
ISO/IEC CD 21794-2	Information technology — Plenoptic image coding system (JPEG PLENO) — Part 2: Light field coding		
		PC 303	Guidelines on consumer warranties and guarantees
		ISO/DIS 22059	Guidelines on consumer warranties and guarantees 2019-06-05
		TC 6	Paper, board and pulps
		ISO/DIS 536	Paper and board — Determination of grammage 2019-06-13 (Revision of ISO 536:2012)
		ISO/DIS 8791-5	Paper and board — Determination of roughness/smoothness (air leak methods) — Part 5: Oken method 2019-05-30
		TC 8	Ships and marine technology

## DIS circulated

Period from 01 March to 31 March 2019

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

ISO/DIS 22098	Ships and marine technology — Full-scale test method for propeller cavitation observation and hull pressure measurement	2019-06-11	ISO 6246:2017/DAMd 1	Petroleum products — Gum content of fuels — Jet evaporation method — Amendment 1: Change the purity requirement for n-heptane	2019-06-19
TC 17	Steel		ISO/DIS 14935	Petroleum and related products — Determination of wick flame persistence of fire-resistant fluids	2019-05-30
ISO/DIS 4948	Classification of steel based on chemical composition	2019-06-04		(Revision of ISO 14935:1998)	
TC 21	Equipment for fire protection and fire fighting		ISO/DIS 8222	Petroleum measurement systems — Calibration — Temperature corrections for use when calibrating volumetric proving tanks	2019-06-11
ISO 7076-6:2016/DAMd 1	Fire protection — Foam fire extinguishing systems — Part 6: Vehicle mounted compressed air foam systems — Amendment 1	2019-06-12		(Revision of ISO 8222:2002)	
TC 22	Road vehicles		TC 29	Small tools	
ISO/DIS 6727	Road vehicles — Motorcycles and mopeds — Symbols for controls, indicators and tell-tales	2019-06-18	ISO/DIS 21982	Assembly tools for screws and nuts — Ratcheting wrenches — Technical requirements	2019-06-13
	(Revision of ISO 6727:2012)		TC 34	Food products	
ISO/DIS 9021	Motorcycles and mopeds — Controls — Types, positions and functions	2019-06-14	ISO/DIS 23305	Fortified milk powders, infant formula and adult nutritionals — Determination of total biotin by liquid chromatography coupled with immunoaffinity column clean-up extraction	2019-05-30
	(Revision of ISO 9021:1988)		ISO 6887-3:2017/DAMd 1	Microbiology of the food chain — Preparation of test samples, initial suspension and decimal dilutions for microbiological examination — Part 3: Specific rules for the preparation of fish and fishery products — Amendment 1: Sample preparation for raw marine gastropods	2019-05-30
TC 23	Tractors and machinery for agriculture and forestry		TC 37	Language and terminology	
ISO 5718:2013/DAMd 1.2	Harvesting equipment — Blades for agricultural rotary mowers — Requirements — Amendment 1	2019-05-15	ISO/DIS 24613-2	Language resource management — Lexical markup framework (LMF) — Part 2: Machine Readable Dictionary (MRD) model	2019-06-05
				(Revision of ISO 24613:2008)	
TC 27	Solid mineral fuels		TC 38	Textiles	
ISO/DIS 349	Hard coal — Audibert-Arnu dilatometer test	2019-06-05	ISO/DIS 2648	Wool — Determination of fibre length distribution parameter — Capacitance method	2019-06-05
	(Revision of ISO 349:1975)			(Revision of ISO 2648:1974)	
ISO/DIS 15585	Hard coal — Determination of caking index	2019-06-05	TC 43	Acoustics	
	(Revision of ISO 15585:2006)		ISO/DIS 12999-1	Acoustics — Determination and application of measurement uncertainties in building acoustics — Part 1: Sound insulation	2019-06-03
TC 28	Petroleum and related products, fuels and lubricants from natural or synthetic sources		TC 45	Rubber and rubber products	
ISO 4259-1:2017/DAMd 1	Petroleum and related products — Precision of measurement methods and results — Part 1: Determination of precision data in relation to methods of test — Amendment 1: Test result validity process is to be moved into a separate reporting limit instruction.	2019-06-04	ISO/DIS 20927	Rubber compounding ingredients — Precipitated silica — Determination of aggregate size distribution by disc centrifuge	2019-06-03
ISO 4259-2:2017/DAMd 1	Petroleum and related products — Precision of measurement methods and results — Part 2: Interpretation and application of precision data in relation to methods of test — Amendment 1: Correction of several errors in terms of internal references, mistakes in formulas and in sheets	2019-06-04	TC 54	Essential oils	
			ISO/DIS 21631	Essential oil of clementine ( <i>Citrus clementina</i> hort. ex Tanaka syn. <i>Citrus reticulata</i> Blanco x <i>Citrus sinensis</i> (L.) Osbeck), Spanish type	2019-06-17
			TC 59	Buildings and civil engineering works	

ISO/DIS 23387	Building Information Modelling (BIM) — Data templates for construction objects used in the life cycle of any built asset — Concepts and principles	2019-06-12	ISO/DIS 24026-1	Plastics — Poly(methyl methacrylate) (PMMA) moulding and extrusion materials — Part 1: Designation system and basis for specifications (Revision of ISO 8257-1:1998)	2019-06-17
TC 61	Plastics				
ISO/DIS 75-1	Plastics — Determination of temperature of deflection under load — Part 1: General test method  (Revision of ISO 75-1:2013)	2019-05-30	ISO/DIS 24026-2	Plastics — Poly(methyl methacrylate) (PMMA) moulding and extrusion materials — Part 2: Preparation of test specimens and determination of properties (Revision of ISO 8257-2:2001)	2019-06-17
ISO/DIS 26723	Plastics — Determination of total luminous transmittance and reflectance	2019-06-03	ISO/DIS 16620-2	Plastics — Biobased content — Part 2: Determination of biobased carbon content  (Revision of ISO 16620-2:2015)	2019-06-03
ISO/DIS 19064-2	Plastics — Styrene-acrylonitrile (SAN) moulding and extrusion materials — Part 2: Preparation of test specimens and determination of properties (Revision of ISO 4894-2:1995)	2019-06-10	ISO/DIS 22766	Plastics — Determination of the degree of disintegration of plastic materials in marine habitats under real field conditions	2019-06-03
ISO/DIS 19066-2	Plastics — Methyl methacrylate-acrylonitrile-butadiene-styrene (MABS) moulding and extrusion materials — Part 2: Preparation of test specimens and determination of properties (Revision of ISO 10366-2:2003)	2019-06-10	TC 68	Financial services	
			ISO/DIS 10962	Securities and related financial instruments — Classification of financial instruments (CFI code)  (Revision of ISO 10962:2015)	2019-06-03
ISO/DIS 24022-1	Plastics — Polystyrene (PS) moulding and extrusion materials — Part 1: Designation system and basis for specifications (Revision of ISO 1622-1:2012)	2019-06-07	TC 69	Applications of statistical methods	
ISO/DIS 24022-2	Plastics — Polystyrene (PS) moulding and extrusion materials — Part 2: Preparation of test specimens and determination of properties (Revision of ISO 1622-2:1995)	2019-06-07	ISO/DIS 2859-4	Sampling procedures for inspection by attributes — Part 4: Procedures for assessment of declared quality levels (Revision of ISO 2859-4:2002)	
ISO/DIS 24023-1	Plastics — Plasticized poly(vinyl chloride) (PVC-P) moulding and extrusion materials — Part 1: Designation system and basis for specifications (Revision of ISO 2898-1:1996)	2019-06-07	TC 82	Mining	
ISO/DIS 24023-2	Plastics — Plasticized poly(vinyl chloride) (PVC-P) moulding and extrusion materials — Part 2: Preparation of test specimens and determination of properties (Revision of ISO 2898-2:2008)	2019-06-07	ISO/DIS 22932-2	Mining — Terminology — Part 2: Geology	2019-06-18
ISO/DIS 24024-1	Plastics — Homopolymer and copolymer resins of vinyl chloride — Part 1: Designation system and basis for specifications (Revision of ISO 1060-1:1998)	2019-06-07	TC 85	Nuclear energy, nuclear technologies, and radiological protection	
ISO/DIS 24024-2	Plastics — Homopolymer and copolymer resins of vinyl chloride — Part 2: Preparation of test samples and determination of properties (Revision of ISO 1060-2:1998)	2019-06-07	ISO/DIS 16795	Nuclear energy — Determination of Gd <sub>2</sub> O <sub>3</sub> content of gadolinium fuel pellets by X-ray fluorescence spectrometry (Revision of ISO 16795:2004)	2019-05-30
ISO/DIS 24025-1	Plastics — Sulfone polymer moulding and extrusion materials — Part 1: Designation system and basis for specifications (Revision of ISO 25137-1:2009)	2019-06-07	TC 87	Cork	
ISO/DIS 24025-2	Plastics — Sulfone polymer moulding and extrusion materials — Part 2: Preparation of test specimens and determination of properties (Revision of ISO 25137-2:2009)	2019-06-07	ISO/DIS 2067	Granulated cork, broken cork and crushed cork — Sampling for the determination of moisture content (Revision of ISO 2067:1998)	2019-06-10
			TC 91	Surface active agents	
			ISO/DIS 685	Analysis of soaps — Determination of total alkali content and total fatty matter content	2019-06-03
			TC 92	Fire safety	
			ISO/DIS 13571-1	Life-threatening components of fire — Part 1: Guidelines for the estimation of time to compromised tenability in fires (Revision of ISO 13571:2012)	2019-05-30
			TC 94	Personal safety -- Personal protective equipment	

ISO 18640-1:2018/DAmD 1	Protective clothing for firefighters — Physiological impact — Part 1: Measurement of coupled heat and moisture transfer with the sweating torso — Amendment 1	2019-06-05	ISO/DIS 764	Horology — Magnetic resistant watches  (Revision of ISO 764:2002)	2019-06-04
ISO 18640-2:2018/DAmD 1	Protective clothing for firefighters — Physiological impact — Part 2: Determination of physiological heat load caused by protective clothing worn by firefighters — Amendment 1	2019-06-05	TC 118	Compressors and pneumatic tools, machines and equipment	
TC 106	Dentistry		ISO/DIS 28927-13	Hand-held portable power tools — Test methods for evaluation of vibration emission — Part 13: Fastener driving tools (Revision of ISO 8662-11:1999, ISO 8662-11:1999/Amd 1:2001)	2019-06-14
ISO/DIS 23325	Dentistry — Corrosion resistance of dental amalgam	2019-06-17	TC 119	Powder metallurgy	
ISO/DIS 22598	Dentistry — Colour tabs for intraoral tooth colour determination	2019-06-17	ISO/DIS 10070	Metallic powders — Determination of envelope-specific surface area from measurements of the permeability to air of a powder bed under steady-state flow conditions (Revision of ISO 10070:1991)	2019-06-21
ISO/DIS 1942	Dentistry — Vocabulary	2019-05-31	TC 123	Plain bearings	
ISO/DIS 15098	(Revision of ISO 1942:2009) Dentistry — Dental tweezers	2019-06-21	ISO/DIS 21866-1	Plain bearings — Automotive engine bearing test rig using actual connecting rods — Part 1: Test rig	2019-06-03
ISO/DIS 20127	(Revision of ISO 15098-1:1999, ISO 15098-2:2000, ISO 15098-3:2000) Dentistry — Physical properties of powered toothbrushes	2019-06-21	ISO/DIS 12128	Plain bearings — Lubrication holes, grooves and pockets — Dimensions, types, designation and their application to bearing bushes (Revision of ISO 12128:2001)	2019-06-07
TC 107	(Revision of ISO 20127:2005) Metallic and other inorganic coatings		TC 126	Tobacco and tobacco products	
ISO/DIS 8289-1	Vitreous and porcelain enamels — Low-voltage test for detecting and locating defects — Part 1: Swab test for non-profiled surfaces (Revision of ISO 8289:2000)	2019-05-31	ISO/DIS 22634-1	Cigarettes — Determination of benzo[a]pyrene in cigarette mainstream smoke using GC/MS — Part 1: Method using methanol as extraction solvent (Revision of ISO 22634-1:2017)	2019-06-13
ISO/DIS 14713-2	Zinc coatings — Guidelines and recommendations for the protection against corrosion of iron and steel in structures — Part 2: Hot dip galvanizing (Revision of ISO 14713-2:2009)	2019-05-31	ISO/DIS 22634-2	Cigarettes — Determination of benzo[a]pyrene in cigarette mainstream smoke using GC/MS — Part 2: Method using cyclohexane as extraction solvent (Revision of ISO 22634-2:2017)	2019-06-13
TC 110	Industrial trucks		TC 130	Graphic technology	
ISO/DIS 6292	Powered industrial trucks and tractors — Brake performance and component strength  (Revision of ISO 6292:2008)	2019-06-05	ISO/DIS 20616-2	Graphic technology — File format for quality control and metadata — Part 2: Print quality exchange (PQX)	2019-05-30
ISO/DIS 23308-1	Energy efficiency of industrial trucks — Test methods — Part 1: General		TC 131	Fluid power systems	
ISO/DIS 23308-2	Energy efficiency of industrial trucks — Test methods — Part 2: Operator controlled self propelled trucks, towing and burden carrier trucks		ISO/DIS 19879	Metallic tube connections for fluid power and general use — Test methods for hydraulic fluid power connections (Revision of ISO 19879:2010)	2019-06-07
ISO/DIS 23308-3	Energy efficiency of industrial trucks — Test methods — Part 3: Container handling lift trucks		TC 145	Graphical symbols	
TC 114	Horology		ISO 7010:2011/DAmD 244	Graphical symbols — Safety colours and safety signs — Registered safety signs — Amendment 244: Safety sign P045 : No campfires	2019-06-10
			ISO 7010:2011/DAmD 245	Graphical symbols — Safety colours and safety signs — Registered safety signs — Amendment 245: Safety sign P071 : Do not cross barrier	2019-06-10

ISO 7010:2011/ DAmd 246	Graphical symbols — Safety colours and safety signs — Registered safety signs — Amendment 246: Safety sign P072 : No jumping down	2019-06-10	ISO 24157:2008/ DAmd 1	Ophthalmic optics and instruments — Reporting aberrations of the human eye — Amendment 1	2019-05-30
ISO 7010:2011/ DAmd 247	Graphical symbols — Safety colours and safety signs — Registered safety signs — Amendment 247: Safety sign W068 : Warning; Falling into water when stepping on or off a floating surface	2019-06-10	TC 174	Jewellery and precious metals	
ISO 7010:2011/ DAmd 248	Graphical symbols — Safety colours and safety signs — Registered safety signs — Amendment 248: Safety sign W069 : Warning; Jellyfish	2019-06-10	ISO/DIS 22764	Jewellery and precious metals — Precious metal — Fineness of solders used with precious metal jewellery alloys	2019-05-31
ISO 7010:2011/ DAmd 249	Graphical symbols — Safety colours and safety signs — Registered safety signs — Amendment 249: Safety sign W070 : Warning; Step down	2019-06-10	TC 178	Lifts, escalators and moving walks	
TC 146 IEC/DIS 62990-2	Air quality Workplace atmospheres — Part 2: Gas detectors — Selection, installation, use and maintenance of detectors for toxic gases and vapours and oxygen		ISO/DIS 8100-32	Lifts for the transportation of persons and goods — Part 32: Planning and selection of passenger lifts to be installed in office, hotel and residential buildings (Revision of ISO 4190-6:1984)	2019-06-05
TC 150 ISO/DIS 14879-1	Implants for surgery Implants for surgery — Total knee-joint prostheses — Part 1: Determination of endurance properties of knee tibial trays (Revision of ISO 14879-1:2000)	2019-06-03	TC 184	Automation systems and integration	
TC 163	Thermal performance and energy use in the built environment		ISO/DIS 14649-17	Industrial automation systems and integration — Physical device control — Data model for computerized numerical controllers — Part 17: Process data for additive manufacturing	2019-06-21
ISO/DIS 16534	Thermal insulating products for building applications — Determination of compressive creep  (Revision of ISO 16534:2012)	2019-06-11	ISO/DIS 15746-3	Automation systems and integration — Integration of advanced process control and optimization capabilities for manufacturing systems — Part 3: Validation and verification	2019-05-30
ISO/DIS 16546	Thermal insulating products for building applications — Determination of freeze-thaw resistance  (Revision of ISO 16546:2012)	2019-06-11	ISO/DIS 19440	Enterprise modelling and architecture — Constructs for enterprise modelling  (Revision of ISO 19440:2007)	2019-06-11
ISO/DIS 29470	Thermal insulating products for building applications — Determination of the apparent density  (Revision of ISO 29470:2008)	2019-06-11	TC 188 ISO/DIS 8849	Small craft Small craft — Electrically operated bilge pumps  (Revision of ISO 8849:2003)	2019-06-14
TC 172 ISO/DIS 22531	Optics and photonics Optics and photonics — Optical materials and components — Test method for climate resistance of optical glass	2019-06-05	TC 192 ISO/DIS 21905	Gas turbines Gas turbine exhaust systems with or without waste heat recovery	2019-05-30
ISO/DIS 22576	Optics and photonics — Optical materials and components — Specification of calcium fluoride used in the infrared spectrum	2019-06-06	TC 204	Intelligent transport systems	
ISO/DIS 18340	Endoscopes — Trocar pins, trocar sleeves and endotherapy devices for use with trocar sleeves	2019-06-05	ISO/DIS 20901	Intelligent transport systems — Emergency electronic brake light systems (EEBL) — Performance requirements and test procedures	2019-05-30
ISO 8596:2017/ DAmd 1	Ophthalmic optics — Visual acuity testing — Standard and clinical optotypes and their presentation — Amendment 1	2019-05-30	TC 206 ISO/DIS 22551	Fine ceramics Fine ceramics (advanced ceramics, advanced technical ceramics) — Determination of bacterial reduction rate by semiconducting photocatalytic materials under indoor lighting environment — Semi-dry method for estimating antibacterial activity on the actual environmental bacteria contamination surface	2019-06-05
			TC 207	Environmental management	



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			IULTCS	International Union of Leather Technologists and Chemists Societies	

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These Final draft International Standards have been submitted to the ISO member bodies for formal approval by the date shown

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TC 2 ISO/FDIS 7053	Fasteners Fasteners — Hexagon washer head tapping screws (Revision of ISO 7053:2011)	2019-04-30
TC 4 ISO/FDIS 9628	Rolling bearings Rolling bearings — Insert bearings and eccentric locking collars — Geometrical product specification (GPS) and tolerance values (Revision of ISO 9628:2006, ISO 9628:2006/Amd 1:2011)	2019-04-29
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TC 8 ISO/FDIS 21131	Ships and marine technology Ships and marine technology — Marine cranes — Noise limits and measuring method	2019-05-22
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## Standards published

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

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TC 34		Food products		ISO 30301:2019	fr <sup>1</sup>	Information and documentation — Management systems for records — Requirements	C
ISO 7305:2019	en fr	Milled cereal products — Determination of fat acidity	B	TC 59		Buildings and civil engineering works	
ISO 20976-1:2019	en fr	Microbiology of the food chain — Requirements and guidelines for conducting challenge tests of food and feed products — Part 1: Challenge tests to study growth potential, lag time and maximum growth rate	E	ISO 16757-2:2016	fr <sup>1</sup>	Data structures for electronic product catalogues for building services — Part 2: Geometry	H
ISO 12871:2019	en fr	Olive oils and olive-pomace oils — Determination of aliphatic and triterpenic alcohols content by capillary gas chromatography	C	TC 61		Plastics	
ISO/TS 16393:2019	en fr	Molecular biomarker analysis — Determination of the performance characteristics of qualitative measurement methods and validation of methods	E	ISO 15023-2:2019	en fr	Plastics — Poly(vinyl alcohol) (PVAL) materials — Part 2: Determination of properties	C
TC 38		Textiles		ISO 21304-1:2019	en fr	Plastics — Ultra-high-molecular-weight polyethylene (PE-UHMW) moulding and extrusion materials — Part 1: Designation system and basis for specifications	B
ISO 9092:2019	en fr	Nonwovens — Vocabulary	A	ISO 21306-1:2019	en fr	Plastics — Unplasticized poly(vinyl chloride) (PVC-U) moulding and extrusion materials — Part 1: Designation system and basis for specifications	A
TC 39		Machine tools		ISO 21306-2:2019	en fr	Plastics — Unplasticized poly(vinyl chloride) (PVC-U) moulding and extrusion materials — Part 2: Preparation of test specimens and determination of properties	A
ISO 2772:2019	en fr	Test conditions for box type vertical drilling machines — Testing of the accuracy	B	ISO 14851:2019	en fr	Determination of the ultimate aerobic biodegradability of plastic materials in an aqueous medium — Method by measuring the oxygen demand in a closed respirometer	D
ISO 26303:2012	fr <sup>1</sup>	Machine tools — Short-term capability evaluation of machining processes on metal-cutting machine tools	F	TC 67		Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries	
TC 41		Pulleys and belts (including veebelts)		ISO 23251:2019	en	Petroleum, petrochemical and natural gas industries — Pressure-relieving and depressuring systems	A
ISO 155:2019	en	Belt drives — Pulleys — Limiting values for adjustment of centres	A	TC 70		Internal combustion engines	
TC 44		Welding and allied processes		ISO 2710-2:2019	en fr	Reciprocating internal combustion engines — Vocabulary — Part 2: Terms for engine maintenance	A
ISO 2553:2019	en fr	Welding and allied processes — Symbolic representation on drawings — Welded joints	G	TC 76		Transfusion, infusion and injection, and blood processing equipment for medical and pharmaceutical use	
TC 45		Rubber and rubber products		ISO 11040-6:2019	fr <sup>1</sup>	Prefilled syringes — Part 6: Plastic barrels for injectables and sterilized subassembled syringes ready for filling	G
ISO 248-2:2019	en	Rubber, raw — Determination of volatile-matter content — Part 2: Thermogravimetric methods using an automatic analyser with an infrared drying unit	B	TC 79		Light metals and their alloys	
ISO 2303:2019	en	Isoprene rubber (IR) — Non-oil-extended, solution-polymerized types — Evaluation procedures	C	ISO 2376:2019	en fr	Anodizing of aluminium and its alloys — Determination of breakdown voltage and withstand voltage	A
TC 46		Information and documentation		TC 83		Sports and other recreational facilities and equipment	
ISO 21248:2019	en	Information and documentation — Quality assessment for national libraries	H				



ISO 9838:2019	en fr	Alpine and touring ski-bindings — Test soles for ski-binding tests	B	ISO/TS 16976-3:2019	en fr	Respiratory protective devices — Human factors — Part 3: Physiological responses and limitations of oxygen and limitations of carbon dioxide in the breathing environment	D
ISO 13993:2019	en	Rental ski shop practice — Sampling and inspection of complete and incomplete alpine ski-binding-boot systems in rental applications	C	ISO/TS 16976-4:2019	en fr	Respiratory protective devices — Human factors — Part 4: Work of breathing and breathing resistance: Physiologically based limits	C
TC 85		Nuclear energy, nuclear technologies, and radiological protection		TC 96		Cranes	
ISO 4037-2:2019	en <sup>2</sup>	Radiological protection — X and gamma reference radiation for calibrating dosimeters and doserate meters and for determining their response as a function of photon energy — Part 2: Dosimetry for radiation protection over the energy ranges from 8 keV to 1,3 MeV and 4 MeV to 9 MeV	E	ISO 9927-3:2019	en fr	Cranes — Inspections — Part 3: Tower cranes	D
ISO 20046:2019	en	Radiological protection — Performance criteria for laboratories using Fluorescence In Situ Hybridization (FISH) translocation assay for assessment of exposure to ionizing radiation	F	ISO 10245-3:2019	en fr	Cranes — Limiting and indicating devices — Part 3: Tower cranes	B
ISO 9463:2019	fr <sup>1</sup>	Nuclear energy — Nuclear fuel technology — Determination of plutonium in nitric acid solutions by spectrophotometry	B	TC 106		Dentistry	
ISO 18195:2019	en <sup>2</sup> fr <sup>2</sup>	Method for the justification of fire partitioning in water cooled nuclear power plants (NPP)	G	ISO 7492:2019	en fr	Dentistry — Dental explorer	B
TC 86		Refrigeration and air-conditioning		ISO 9873:2019	en fr	Dentistry — Intra-oral mirrors	B
ISO/TR 16494-2:2019	en	Heat recovery ventilators and energy recovery ventilators — Method of test for performance — Part 2: Assessment of measurement uncertainty of performance parameters	F	ISO/TR 22710:2019	fr <sup>1</sup>	Dentistry — Vocabulary of process chain from dental CT to CAD/CAM for implant prosthetic restorations — Backward planning in the digital process chain	A
ISO 19967-1:2019	en	Heat pump water heaters — Testing and rating for performance — Part 1: Heat pump water heater for hot water supply	E	TC 107		Metallic and other inorganic coatings	
TC 92		Fire safety		ISO 8289-2:2019	en fr	Vitreous and porcelain enamels — Low-voltage test for detecting and locating defects — Part 2: Slurry test for profiled surfaces	A
ISO 24678-1:2019	en	Fire safety engineering — Requirements governing algebraic formulae — Part 1: General requirements	A	ISO 11177:2019	en fr	Vitreous and porcelain enamels — Inside and outside enamelled valves and pressure pipe fittings for untreated and potable water supply — Quality requirements and testing	A
ISO 24678-7:2019	en fr	Fire safety engineering — Requirements governing algebraic formulae — Part 7: Radiation heat flux received from an open pool fire	F	TC 108		Mechanical vibration, shock and condition monitoring	
TC 94		Personal safety -- Personal protective equipment		ISO 5982:2019	en fr	Mechanical vibration and shock — Range of idealized values to characterize human biodynamic response under whole-body vibration	F
ISO 22568-1:2019	en fr	Foot and leg protectors — Requirements and test methods for footwear components — Part 1: Metallic toecaps	C	ISO 18434-2:2019	en fr	Condition monitoring and diagnostics of machine systems — Thermography — Part 2: Image interpretation and diagnostics	D
ISO 22568-2:2019	en fr	Foot and leg protectors — Requirements and test methods for footwear component — Part 2: Non-metallic toecaps	C	TC 117		Fans	
ISO 22568-3:2019	en fr	Foot and leg protectors — Requirements and test methods for footwear components — Part 3: Metallic perforation resistant inserts	B	ISO 12759-2:2019	en fr	Fans — Efficiency classification for fans — Part 2: Standard losses for drive components	D
ISO 22568-4:2019	en fr	Foot and leg protectors — Requirements and test methods for footwear components — Part 4: Non-metallic perforation resistant inserts	D	ISO 12759-3:2019	en fr	Fans — Efficiency classification for fans — Part 3: Fans without drives at maximum operating speed	B
				TC 123		Plain bearings	
				ISO 12129-1:2019	en	Plain bearings — Tolerances — Part 1: Fits	B

ISO 19349:2019	en	Plain bearings with liquid lubrication — Lubricant supply arrangements and monitoring	A	TC 159	Ergonomics		
TC 126		Tobacco and tobacco products		ISO 9241-220:2019	en	Ergonomics of human-system interaction — Part 220: Processes for enabling, executing and assessing human-centred design within organizations	H
ISO 16055:2019	en	Tobacco and tobacco products — Monitor test piece — Requirements and use	C	ISO 24508:2019	en	Ergonomics — Accessible design — Guidelines for designing tactile symbols and characters	C
TC 135		Non-destructive testing		TC 172		Optics and photonics	
ISO 15708-4:2017	fr <sup>1</sup>	Non-destructive testing — Radiation methods for computed tomography — Part 4: Qualification	B	ISO 9345:2019	en	Microscopes — Interfacing dimensions for imaging components	C
TC 138		Plastics pipes, fittings and valves for the transport of fluids		TC 176		Quality management and quality assurance	
ISO 11413:2019	en fr	Plastics pipes and fittings — Preparation of test piece assemblies between a polyethylene (PE) pipe and an electrofusion fitting	B	ISO 18091:2019	en fr	Quality management systems — Guidelines for the application of ISO 9001 in local government	G
TC 142		Cleaning equipment for air and other gases		TC 178		Lifts, escalators and moving walks	
ISO/TS 21083-2:2019	en fr	Test method to measure the efficiency of air filtration media against spherical nanomaterials — Part 2: Size range from 3 nm to 30 nm	G	ISO 8100-1:2019	en	Lifts for the transport of persons and goods — Part 1: Passenger and goods passenger lifts	H
ISO 29463-3:2011	fr <sup>1</sup>	High-efficiency filters and filter media for removing particles in air — Part 3: Testing flat sheet filter media	D	ISO 8100-2:2019	en	Lifts for the transport of persons and goods — Part 2: Design rules, calculations, examinations and tests of lift components	H
ISO 29463-4:2011	fr <sup>1</sup>	High-efficiency filters and filter media for removing particles in air — Part 4: Test method for determining leakage of filter elements-Scan method	F	ISO/TS 8100-3:2019	en	Lifts for the transport of persons and goods — Part 3: Requirements from other Standards (ASME A17.1/CSA B44 and JIS A 4307-1/JIS A 4307-2) not included in ISO 8100-1 or ISO 8100-2	F
ISO 29463-5:2011	fr <sup>1</sup>	High-efficiency filters and filter media for removing particles in air — Part 5: Test method for filter elements	D	TC 181		Safety of toys	
TC 146		Air quality		ISO 8124-4:2014/Amd 2:2019	en	Safety of toys — Part 4: Swings, slides and similar activity toys for indoor and outdoor family domestic use — Amendment 2	XZ
ISO 16000-36:2018	en <sup>2</sup> fr <sup>2</sup>	Indoor air — Part 36: Standard method for assessing the reduction rate of culturable airborne bacteria by air purifiers using a test chamber	C	TC 182		Geotechnics	
TC 147		Water quality		ISO 17892-3:2015	fr <sup>2</sup>	Geotechnical investigation and testing — Laboratory testing of soil — Part 3: Determination of particle density	B
ISO 12010:2019	en fr	Water quality — Determination of short-chain polychlorinated alkanes (SCCP) in water — Method using gas chromatography-mass spectrometry (GC-MS) and negative-ion chemical ionization (NCI)	F	ISO 17892-8:2018	fr <sup>1</sup>	Geotechnical investigation and testing — Laboratory testing of soil — Part 8: Unconsolidated undrained triaxial test	C
TC 150		Implants for surgery		ISO 18674-3:2017	fr <sup>1</sup>	Geotechnical investigation and testing — Geotechnical monitoring by field instrumentation — Part 3: Measurement of displacements across a line: Inclinometers	F
ISO 6474-1:2019	en fr	Implants for surgery — Ceramic materials — Part 1: Ceramic materials based on high purity alumina	B	ISO 22476-10:2017	fr <sup>1</sup>	Geotechnical investigation and testing — Field testing — Part 10: Weight sounding test	B
ISO 6474-2:2019	en fr	Implants for surgery — Ceramic materials — Part 2: Composite materials based on a high-purity alumina matrix with zirconia reinforcement	B	ISO 22477-1:2018	en <sup>2</sup> fr <sup>2</sup>	Geotechnical investigation and testing — Testing of geotechnical structures — Part 1: Testing of piles: static compression load testing	D
TC 155		Nickel and nickel alloys		ISO 22477-10:2016	fr <sup>1</sup>	Geotechnical investigation and testing — Testing of geotechnical structures — Part 10: Testing of piles: rapid load testing	D
ISO 12725:2019	en	Nickel and nickel alloy castings	B	TC 184		Automation systems and integration	
ISO 23163:2019	en fr	Nickel and nickel alloys — Refined nickel — Sampling	C				

ISO 16739:2013	fr <sup>1</sup>	Industry Foundation Classes (IFC) for data sharing in the construction and facility management industries	D	ISO 18250-6:2019	en	Medical devices — Connectors for reservoir delivery systems for health-care applications — Part 6: Neural applications	A
TC 190		Soil quality		TC 211		Geographic information/ Geomatics	
ISO 15799:2019	en fr	Soil quality — Guidance on the ecotoxicological characterization of soils and soil materials	F	ISO 19136-2:2015	fr <sup>1</sup>	Geographic information — Geography Markup Language (GML) — Part 2: Extended schemas and encoding rules	G
TC 195		Building construction machinery and equipment		TC 213		Dimensional and geometrical product specifications and verification	
ISO 15645:2018	fr <sup>1</sup>	Road construction and maintenance equipment — Road milling machinery — Terminology and commercial specifications	B	ISO 25178-600:2019	en fr	Geometrical product specifications (GPS) — Surface texture: Areal — Part 600: Metrological characteristics for areal topography measuring methods	D
TC 198		Sterilization of health care products		ISO 25178-607:2019	en fr	Geometrical product specifications (GPS) — Surface texture: Areal — Part 607: Nominal characteristics of non-contact (confocal microscopy) instruments	D
ISO 11138-7:2019	en fr	Sterilization of health care products — Biological indicators — Part 7: Guidance for the selection, use and interpretation of results	G	TC 215		Health informatics	
TC 199		Safety of machinery		ISO/IEEE 11073-10207:2019	en	Health informatics — Personal health device communication — Part 10207: Domain information and service model for service-oriented point-of-care medical device communication	H
ISO 13851:2019	en fr	Safety of machinery — Two-hand control devices — Principles for design and selection	D	ISO/IEEE 11073-10419:2019	en fr	Health informatics — Personal health device communication — Part 10419: Device specialization — Insulin pump	H
TC 204		Intelligent transport systems		ISO/IEEE 11073-10425:2019	en fr	Health informatics — Personal health device communication — Part 10425: Device specialization — Continuous glucose monitor (CGM)	H
ISO 14816:2005/Amd 1:2019	en	Road transport and traffic telematics — Automatic vehicle and equipment identification — Numbering and data structure — Amendment 1	XZ	ISO/TS 16843-5:2019	en	Health Informatics — Categorial structures for representation of acupuncture — Part 5: Cupping	B
ISO 16407-2:2018	fr <sup>1</sup>	Electronic fee collection — Evaluation of equipment for conformity to ISO 17575-1 — Part 2: Abstract test suite	B	TC 216		Footwear	
ISO 17264:2009/Amd 1:2019	fr <sup>1</sup>	Intelligent transport systems — Automatic vehicle and equipment identification — Interfaces — Amendment 1	XZ	ISO 20535:2019	en fr	Footwear — Test method for insoles and insocks — Dimensional change after cycle of wetting and drying	A
ISO/TR 22086-1:2019	en	Intelligent transport systems (ITS) — Network based precise positioning infrastructure for land transportation — Part 1: General information and use case definitions	C	TC 224		Service activities relating to drinking water supply, wastewater and stormwater systems	
TC 206		Fine ceramics		ISO 24513:2019	en	Service activities relating to drinking water supply, wastewater and stormwater systems — Vocabulary	A
ISO 20501:2019	en fr	Fine ceramics (advanced ceramics, advanced technical ceramics) — Weibull statistics for strength data	F	TC 229		Nanotechnologies	
ISO 21618:2019	en	Fine ceramics (advanced ceramics, advanced technical ceramics) — Test method for fracture resistance of monolithic ceramics at room temperature by indentation fracture (IF) method	C	ISO/TR 19733:2019	en fr	Nanotechnologies — Matrix of properties and measurement techniques for graphene and related two-dimensional (2D) materials	C
TC 207		Environmental management		ISO/TR 21386:2019	en	Nanotechnologies — Considerations for the measurement of nano-objects and their aggregates and agglomerates (NOAA) in environmental matrices	D
ISO 14008:2019	en fr	Monetary valuation of environmental impacts and related environmental aspects	E	TC 249		Traditional Chinese medicine	
ISO 14033:2019	fr <sup>1</sup>	Environmental management — Quantitative environmental information — Guidelines and examples	G	ISO 20498-1:2019	en	Traditional Chinese medicine — Computerized tongue image analysis system — Part 1: General requirements	B
TC 210		Quality management and corresponding general aspects for medical devices					

ISO 21300:2019	en	Traditional Chinese medicine — Guidelines and specification for Chinese materia medica	B	ISO/IEC 23001-11:2019	en	Information technology — MPEG systems technologies — Part 11: Energy-efficient media consumption (green metadata)	G
ISO 22212:2019	en	Traditional Chinese medicine — Gastrodia elata tuber	C	ISO/IEC 23009-4:2018	en <sup>2</sup>	Information technology — Dynamic adaptive streaming over HTTP (DASH) — Part 4: Segment encryption and authentication	E
TC 279 ISO/TR 56004:2019	fr <sup>1</sup>	Innovation management Innovation Management Assessment — Guidance	E	ISO/IEC 19479:2019	en	Information technology for learning, education, and training — Learner mobility achievement information (LMAI)	E
TC 289 ISO 20671:2019	en fr	Brand evaluation Brand evaluation — Principles and fundamentals	B	ISO/IEC TR 23050:2019	en	Information technology — Data centres — Impact on data centre resource metrics of electrical energy storage and export	B
TC 299 ISO/TR 23482-2:2019	en	Robotics Robotics — Application of ISO 13482 — Part 2: Application guidelines	G				
TC 301 ISO 50045:2019	en	Energy management and energy savings Technical guidelines for the evaluation of energy savings of thermal power plants	D				
IULTCS ISO 22700:2019	en fr	International Union of Leather Technologists and Chemists Societies Leather — Measuring the colour and colour difference of finished leather	B	TC 1 ISO 965-1:2013 ISO 2904:1977 ISO 16239:2013		Screw threads (reconfirmed)	
ISO 26082-1:2019	en fr	Leather — Physical and mechanical test methods for the determination of soiling — Part 1: Rubbing (Martindale) method	B	TC 6 ISO 187:1990 ISO 5636-3:2013 ISO 5636-4:2013 ISO 5636-5:2013		Paper, board and pulps (reconfirmed)	
JTC 1 ISO/IEC/IEEE 8802-11:2018/ Amd 2:2019	en	Information technology Information technology — Telecommunications and information exchange between systems — Local and metropolitan area networks — Specific requirements — Part 11: Wireless LAN medium access control (MAC) and physical layer (PHY) specifications — Amendment 2: Sub 1 GHz license exempt operation	H	ISO 8226-2:1990 ISO 9932:1990 ISO 11556:2005 ISO 13821:2002 ISO 22414:2004		(reconfirmed) (reconfirmed) (reconfirmed) (reconfirmed) (reconfirmed)	
ISO/IEC 8824-1:2015/Amd 1:2019	en	Information technology — Abstract Syntax Notation One (ASN.1): Specification of basic notation — Part 1: — Amendment 1: Relaxing imports clause to allow importation of definitions from new versions of a given module	XZ	TC 8 ISO 3948:1977 ISO 3969:1979 ISO 1964:1987 ISO 5572:1987 ISO 6050:1987 ISO 17682:2013		Ships and marine technology (reconfirmed) (reconfirmed) (reconfirmed) (reconfirmed) (reconfirmed)	
ISO/IEC/IEEE 15026-1:2019	en	Systems and software engineering — Systems and software assurance — Part 1: Concepts and vocabulary	E	TC 10 ISO 2162-1:1993 ISO 2203:1973 ISO 3952-1:1981 ISO 3952-2:1981 ISO 3952-3:1979 ISO 3952-4:1984 ISO 6410-1:1993 ISO 6410-2:1993 ISO 6410-3:1993 ISO 6411:1982		Technical product documentation (reconfirmed) (reconfirmed) (reconfirmed) (reconfirmed) (reconfirmed) (reconfirmed) (reconfirmed) (reconfirmed) (reconfirmed) (reconfirmed) (reconfirmed)	
ISO/IEC 24773-1:2019	en	Software and systems engineering — Certification of software and systems engineering professionals — Part 1: General requirements	B				
ISO/IEC 14492:2019	en	Information technology — Lossy/lossless coding of bi-level images	H				

## Standards confirmed

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

TC 1 ISO 965-1:2013 ISO 2904:1977 ISO 16239:2013	Screw threads (reconfirmed)
TC 6 ISO 187:1990 ISO 5636-3:2013 ISO 5636-4:2013 ISO 5636-5:2013	Paper, board and pulps (reconfirmed)
ISO 8226-2:1990 ISO 9932:1990 ISO 11556:2005 ISO 13821:2002 ISO 22414:2004	(reconfirmed) (reconfirmed) (reconfirmed) (reconfirmed) (reconfirmed)
TC 8 ISO 3948:1977 ISO 3969:1979 ISO 1964:1987 ISO 5572:1987 ISO 6050:1987 ISO 17682:2013	Ships and marine technology (reconfirmed) (reconfirmed) (reconfirmed) (reconfirmed) (reconfirmed)
TC 10 ISO 2162-1:1993 ISO 2203:1973 ISO 3952-1:1981 ISO 3952-2:1981 ISO 3952-3:1979 ISO 3952-4:1984 ISO 6410-1:1993 ISO 6410-2:1993 ISO 6410-3:1993 ISO 6411:1982	Technical product documentation (reconfirmed) (reconfirmed) (reconfirmed) (reconfirmed) (reconfirmed) (reconfirmed) (reconfirmed) (reconfirmed) (reconfirmed) (reconfirmed) (reconfirmed)

ISO 8826-1:1989	(reconfirmed)	TC 31	Tyres, rims and valves
ISO 8826-2:1994	(reconfirmed)	ISO 13328:2000	(reconfirmed)
ISO 9222-1:1989	(reconfirmed)	TC 34	Food products
ISO 9222-2:1989	(reconfirmed)	ISO 658:2002	(reconfirmed)
ISO 15785:2002	(reconfirmed)	ISO 729:1988	(reconfirmed)
TC 17	Steel	ISO 735:1977	(reconfirmed)
ISO 10714:1992	(reconfirmed)	ISO 5502:1992	(reconfirmed)
ISO 10720:1997	(reconfirmed)	ISO 5507:2002	(reconfirmed)
ISO 11653:1997	(reconfirmed)	ISO 8892:1987	(reconfirmed)
ISO 13900:1997	(reconfirmed)	ISO 10565:1998	(reconfirmed)
ISO 13902:1997	(reconfirmed)	ISO 10633-1:1995	(reconfirmed)
ISO 17925:2004	(reconfirmed)	ISO 2254:2004	(reconfirmed)
TC 20	Aircraft and space vehicles	ISO 6577:2002	(reconfirmed)
ISO 16290:2013		ISO 7927-1:1987	(reconfirmed)
ISO 16404:2013		ISO 4833-1:2013	
ISO/TS 16697:2012	(reconfirmed)	ISO 4833-2:2013	
TC 22	Road vehicles	ISO 7218:2007	(reconfirmed)
ISO 16844-7:2015		ISO/TS 17728:2015	
ISO 18868:2013		ISO/TS 18867:2015	
TC 23	Tractors and machinery for agriculture and forestry	ISO 10540-3:2002	(reconfirmed)
ISO 5007:2003	(reconfirmed)	ISO 13495:2013	
ISO 6814:2009	(reconfirmed)	ISO 16578:2013	
ISO 8084:2003	(reconfirmed)	TC 36	Cinematography
ISO 11169:1993	(reconfirmed)	ISO 1223:2003	(reconfirmed)
ISO 8224-2:1991	(reconfirmed)	ISO 1793:2005	(reconfirmed)
ISO 13693-1:2013		TC 38	Textiles
ISO 15081:2011		ISO 1181:2004	(reconfirmed)
ISO 15886-1:2012		ISO 1968:2004	(reconfirmed)
TC 28	Petroleum and related products, fuels and lubricants from natural or synthetic sources	ISO 1969:2004	(reconfirmed)
ISO 8311:2013		ISO/TS 17920:2015	
TC 29	Small tools	ISO/TS 19336:2015	
ISO/TS 13399-203:2015		ISO 105-A04:1989	(reconfirmed)
ISO 9182-1:2013		ISO 105-A05:1996	(reconfirmed)
ISO 9182-2:2013		ISO 105-C09:2001	(reconfirmed)
ISO 9182-3:2013		ISO 9866-1:1991	(reconfirmed)
ISO 9182-4:2013		ISO 9866-2:1991	(reconfirmed)
ISO 9182-5:2013		ISO 16322-1:2005	(reconfirmed)
ISO 9448-1:2013		TC 39	Machine tools
ISO 9448-2:2013		ISO 230-6:2002	(reconfirmed)
ISO 9448-3:2013		ISO 1701-1:2004	(reconfirmed)
ISO 9448-4:2013		ISO 1701-2:2004	(reconfirmed)
ISO 9448-5:2013		ISO 2407:1997	(reconfirmed)
ISO 9448-6:2013		ISO 2423:1982	(reconfirmed)
ISO 9448-7:2013		ISO 6545:1992	(reconfirmed)
ISO 9448-8:2013		ISO 13041-4:2004	(reconfirmed)
ISO 9448-9:2013		ISO 13041-8:2004	(reconfirmed)
ISO 9448-10:2013		TC 41	Pulleys and belts (including veebelts)
ISO 9448-11:2013		ISO 1081:2013	
ISO 10649-1:2013		TC 44	Welding and allied processes
ISO 10649-2:2013		ISO 15012-2:2008	(reconfirmed)
ISO 10649-3:2013		TC 46	Information and documentation
ISO 10649-4:2013		ISO 25577:2013	

TC 54	Essential oils	ISO 18431-1:2005	(reconfirmed)
ISO 9235:2013		ISO 18431-2:2004	(reconfirmed)
ISO 9841:2013		ISO 18437-2:2005	(reconfirmed)
TC 58	Gas cylinders	ISO 18437-3:2005	(reconfirmed)
ISO 15245-1:2001	(reconfirmed)	ISO 7919-3:2009	(reconfirmed)
TC 59	Buildings and civil engineering works	ISO 10816-3:2009	(reconfirmed)
ISO 2445:1972	(reconfirmed)	ISO	
ISO 3881:1977	(reconfirmed)	21940-21:2012	
ISO 6511:1982	(reconfirmed)	TC 114	Horology
TC 60	Gears	ISO 3158:1976	(reconfirmed)
ISO 1328-1:2013		TC 119	Powder metallurgy
ISO 8579-1:2002	(reconfirmed)	ISO 4491-2:1997	(reconfirmed)
TC 61	Plastics	ISO 4491-3:1997	(reconfirmed)
ISO 11907-3:1998	(reconfirmed)	TC 130	Graphic technology
ISO 11907-4:1998	(reconfirmed)	ISO 12637-1:2006	(reconfirmed)
TC 68	Financial services	ISO 12637-2:2008	(reconfirmed)
ISO 16609:2012		ISO 12637-3:2009	
TC 70	Internal combustion engines	ISO 12637-4:2008	(reconfirmed)
ISO/TS		ISO 12640-5:2013	
19425:2015		ISO 12647-1:2013	
TC 85	Nuclear energy, nuclear technologies, and radiological protection	ISO 12647-3:2013	
ISO/ASTM		TC 131	Fluid power systems
51401:2013		ISO 3320:2013	
ISO/ASTM		ISO 1179-1:2013	
51956:2013		ISO 1179-2:2013	
ISO/ASTM		ISO 7986:1997	(reconfirmed)
52628:2013		ISO 16902-1:2003	(reconfirmed)
ISO/ASTM		TC 138	Plastics pipes, fittings and valves for the transport of fluids
52701:2013		ISO 161-2:1996	(reconfirmed)
ISO 10648-1:1997	(reconfirmed)	ISO 11922-2:1997	(reconfirmed)
ISO 11933-1:1997	(reconfirmed)	ISO 14531-1:2002	(reconfirmed)
ISO 11933-2:1997	(reconfirmed)	ISO 580:2005	(reconfirmed)
ISO 17874-2:2004	(reconfirmed)	ISO 15908:2002	(reconfirmed)
ISO 21243:2008	(reconfirmed)	TC 146	Air quality
TC 89	Wood-based panels	ISO 17734-1:2013	
ISO 1954:2013		ISO 17734-2:2013	
TC 92	Fire safety	ISO	
ISO 13785-1:2002	(reconfirmed)	16000-21:2013	
TC 94	Personal safety -- Personal protective equipment	TC 147	Water quality
ISO/TS		ISO 5815-2:2003	(reconfirmed)
16976-1:2015		ISO 8165-1:1992	(reconfirmed)
ISO/TS		ISO 9562:2004	(reconfirmed)
16976-2:2015		ISO 10301:1997	(reconfirmed)
TC 96	Cranes	ISO 10304-3:1997	(reconfirmed)
ISO 7752-3:2013		ISO 10304-4:1997	(reconfirmed)
TC 106	Dentistry	ISO 10359-1:1992	(reconfirmed)
ISO 17304:2013		ISO 10530:1992	(reconfirmed)
TC 107	Metallic and other inorganic coatings	ISO 11369:1997	(reconfirmed)
ISO 2064:1996	(reconfirmed)	ISO 11423-1:1997	(reconfirmed)
ISO 2177:2003	(reconfirmed)	ISO 11423-2:1997	(reconfirmed)
ISO 3868:1976	(reconfirmed)	ISO 11732:2005	(reconfirmed)
ISO 4519:1980	(reconfirmed)	ISO 11905-1:1997	(reconfirmed)
TC 108	Mechanical vibration, shock and condition monitoring	ISO 11923:1997	(reconfirmed)
ISO 2017-1:2005	(reconfirmed)	ISO 12020:1997	(reconfirmed)
ISO 16587:2004	(reconfirmed)	ISO 13358:1997	(reconfirmed)

ISO 15923-1:2013	
ISO 16588:2002	(reconfirmed)
ISO 17294-1:2004	(reconfirmed)
ISO 17353:2004	(reconfirmed)
ISO 17993:2002	(reconfirmed)
ISO 18856:2004	(reconfirmed)
ISO 18857-1:2005	(reconfirmed)
ISO 14189:2013	
ISO 9887:1992	(reconfirmed)
ISO 10708:1997	(reconfirmed)
ISO 11733:2004	(reconfirmed)
ISO 14592-1:2002	(reconfirmed)
ISO 14592-2:2002	(reconfirmed)
ISO 16303:2013	
ISO 16712:2005	(reconfirmed)
ISO 5667-9:1992	(reconfirmed)
TC 150	Implants for surgery
ISO 16087:2013	
TC 154	Processes, data elements and documents in commerce, industry and administration
ISO 7372:2005	(reconfirmed)
TC 163	Thermal performance and energy use in the built environment
ISO 8302:1991	(reconfirmed)
ISO 8497:1994	(reconfirmed)
ISO 8990:1994	(reconfirmed)
ISO 10051:1996	(reconfirmed)
ISO 12570:2000	(reconfirmed)
TC 173	Assistive products
ISO 16840-1:2006	(reconfirmed)
ISO 17049:2013	
TC 174	Jewellery and precious metals
ISO 10713:1992	(reconfirmed)
TC 178	Lifts, escalators and moving walks
ISO 4190-2:2001	(reconfirmed)
ISO 4190-3:1982	(reconfirmed)
ISO 9386-1:2000	(reconfirmed)
ISO 9386-2:2000	(reconfirmed)
ISO 9589:1994	(reconfirmed)
ISO/TS 25740-1:2011	(reconfirmed)
TC 188	Small craft
ISO 9650-3:2009	(reconfirmed)
TC 204	Intelligent transport systems
ISO 24535:2007	(reconfirmed)
TC 206	Fine ceramics
ISO 14605:2013	
TC 212	Clinical laboratory testing and in vitro diagnostic test systems
ISO/TS 17822-1:2014	
TC 229	Nanotechnologies
ISO/TS 18110:2015	
ISO/TS 80004-1:2015	

JTC 1	Information technology
ISO/IEC 13818-2:2013	
ISO/IEC 13818-11:2004	(reconfirmed)
ISO/IEC 15444-6:2013	
ISO/IEC 15444-13:2008	(reconfirmed)
ISO/IEC 15444-14:2013	
ISO/IEC 15938-5:2003	(reconfirmed)
ISO/IEC 21000-3:2003	(reconfirmed)
ISO/IEC 21000-5:2004	(reconfirmed)
ISO/IEC 23000-7:2008	(reconfirmed)
ISO/IEC 23000-9:2008	(reconfirmed)
ISO/IEC 23001-3:2008	(reconfirmed)
ISO/IEC 23002-2:2008	(reconfirmed)
ISO/IEC 24730-61:2013	
ISO/IEC 24730-62:2013	
ISO/IEC 13250-3:2013	

## Standards withdrawn

Period from 01 March to 31 March 2019

TC 22	Road vehicles
ISO/PAS 19695:2015	(replaced by )
TC 39	Machine tools
ISO 2772-1:1973	(replaced by ISO 2772:2019)
ISO 2772-2:1974	(replaced by ISO 2772:2019)
TC 61	Plastics
ISO 1163-1:1995	(replaced by ISO 21306-1:2019)
ISO 1163-2:1995	(replaced by ISO 21306-2:2019)
ISO 11542-1:2001	(replaced by ISO 21304-1:2019)
TC 159	Ergonomics
ISO/TR 18529:2000	(replaced by ISO 9241-220:2019)
TC 172	Optics and photonics
ISO 8038:2013	(replaced by ISO 9345:2019)
ISO 9345-1:2012	(replaced by ISO 9345:2019)
ISO 9345-2:2014	(replaced by ISO 9345:2019)
ISO 10937:2000	(replaced by ISO 9345:2019)
TC 198	Sterilization of health care products
ISO 14161:2009	(replaced by ISO 11138-7:2019)

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TMBG	Technical Management Board - groups
IWA 11:2012	(replaced by ISO 19867-1:2018, ISO/TR 19867-3:2018)

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JTC 1	Information technology
ISO/IEC 24773:2008	(replaced by ISO/IEC 24773-1:2019)
ISO/IEC 14443-3:2016/Amd 1:2016	(replaced by )
ISO/IEC TR 24705:2005	(replaced by )
ISO 9069:1988	(replaced by )

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## Meeting calendar

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The meeting calendar is available at

<https://www.iso.org/meeting-calendar.html>