

# ISO Update

Supplement to ISOfocus

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December 2021

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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 November to 01 December 2021

These documents are currently under consideration in the technical committee.

They have been registered at the Central Secretariat.

IIW	International Institute of Welding
ISO/CD TR 22824	Welding consumables — Predicted and measured FN in specifications — A position statement of the experts of IIW Commission IX
TC 8	Ships and marine technology
ISO/CD 5476	Ships and Marine Technology — Virtual reality and simulator training equipment and systems for lifesaving appliances and arrangements
ISO/CD 11347	Ships and marine technology — Large yachts — Measurement and assessment of the visual appearance of coatings
TC 17	Steel
ISO/CD 630-5	Structural steels — Part 5: Technical delivery conditions for structural steels with improved atmospheric corrosion resistance
ISO/CD 630-6	Structural steels — Part 6: Technical delivery conditions for seismic-improved structural steels for building
ISO/CD 4998	Continuous hot-dip zinc-coated and zinc-iron alloy-coated carbon steel sheet of structural quality
TC 20	Aircraft and space vehicles
ISO/CD 23230	Space systems — Paint materials and coatings — Processes, procedures, requirements
ISO/CD 23629-8	UAS Traffic Management (UTM) — Part 8: Remote identification
TC 22	Road vehicles
ISO/DTS 5385.2	Road vehicles — Anti-fog coating for exterior lighting applications — Specification
ISO/CD 15830-3	Road vehicles — Design and performance specifications for the WorldSID 50th percentile male side-impact dummy — Part 3: Mechanical requirements for electronic subsystems
TC 23	Tractors and machinery for agriculture and forestry

ISO/CD 21622-3.2	Irrigation techniques — Remote monitoring and control for irrigation — Part 3: Interoperability
TC 35	Paints and varnishes
ISO/CD 2811-1	Paints and varnishes — Determination of density — Part 1: Pycnometer method
ISO/CD 8130-16	Coating powders — Part 16: Determination of density by liquid displacement in a measuring cylinder
TC 37	Language and terminology
ISO/CD 24617-14	Language resource management — Semantic annotation framework (SemAF) — Part 14: Spatial semantics
TC 44	Welding and allied processes
ISO/CD 3581	Welding consumables — Covered electrodes for manual metal arc welding of stainless and heat-resisting steels — Classification
ISO/DIS 12153	Welding consumables — Tubular cored electrodes for gas shielded and non-gas shielded metal arc welding of nickel and nickel alloys — Classification
TC 45	Rubber and rubber products
ISO/CD 1401	Rubber hoses for agricultural spraying
ISO/CD 2398	Rubber hoses, textile-reinforced, for compressed air — Specification
ISO/CD 4641	Rubber hoses and hose assemblies for water suction and discharge — Specification
ISO/CD 5771	Rubber hoses and hose assemblies for transferring anhydrous ammonia — Specification
ISO/CD 6224	Thermoplastics hoses, textile-reinforced, for general-purpose water applications — Specification
ISO/CD 11346	Rubber, vulcanized or thermoplastic — Estimation of life-time and maximum temperature of use
ISO/CD 23337	Rubber, vulcanized or thermoplastic — Determination of abrasion resistance using the Improved Lambourn test machine
ISO/CD 7681	Natural rubber field latex — Determination of dry rubber content
TC 58	Gas cylinders
ISO/DTR 13086-5	Gas cylinders — Guidance for design of composite cylinders — Part 5: Impact testing of composite cylinders
TC 68	Financial services
ISO/CD 13491-2	Financial services — Secure cryptographic devices (retail) — Part 2: Security compliance checklists for devices used in financial transactions
TC 69	Applications of statistical methods
ISO/DTR 22514-9.2	Statistical methods in process management — Capability and performance — Part 9: Process capability statistics for characteristics defined by geometrical specifications
ISO/DTS 27878	Reproducibility of the LOD of binary methods in collaborative and in-house validation studies
TC 71	Concrete, reinforced concrete and pre-stressed concrete
ISO/CD 17785-3	Testing methods for pervious concrete — Part 3: Resistance of Surface Degradation
ISO/CD 13315-3	Environmental management for concrete and concrete structures — Part 3: Production of concrete constituents and concrete

TC 84	Devices for administration of medicinal products and catheters	ISO/CD TS 32003	Document management — Portable Document Format — Adding support of AES-GCM in PDF 2.0
ISO/CD 10555-1	Intravascular catheters — Sterile and single-use catheters — Part 1: General requirements	ISO/CD TS 32004	Document management — Portable Document Format — Integrity protection in encrypted documents in PDF 2.0
ISO/CD 10555-4	Intravascular catheters — Sterile and single-use catheters — Part 4: Balloon dilatation catheters	ISO/CD TS 32005	Document management — Portable Document Format — PDF 1.7 and 2.0 structure namespace inclusion in ISO 32000-2
TC 85	Nuclear energy, nuclear technologies, and radiological protection	TC 184	Automation systems and integration
ISO/CD 22188	Monitoring for inadvertent movement and illicit trafficking of radioactive material	IEC/CD 63339	Unified reference model for smart manufacturing
ISO/CD 24434-1	Radiological protection — Radiological monitoring for emergency workers and population following nuclear/radiological incidents — Part 1: General principles	TC 202	Microbeam analysis
TC 92	Fire safety	ISO/CD 14595	Microbeam analysis — Electron probe microanalysis — Guidelines for the specification of certified reference materials (CRMs)
ISO/CD 23782	Guidance on the requirement for large-scale test methods to represent fire threats in different full-scale fire scenarios	TC 204	Intelligent transport systems
ISO/DTR 24679-5	Fire safety engineering — Performance of structures in fire — Part 5: Example of a timber building in Canada	ISO/DTR 7872	Intelligent transport systems — Mobility integration — Digital infrastructure service role and functional model for urban ITS service applications
TC 105	Steel wire ropes	ISO/CD 23375	Intelligent transport systems — Collision evasive lateral manoeuvre systems (CELM) — Performance requirements and test procedures
ISO/CD 3444	Stainless steel wire ropes	TC 207	Environmental management
TC 110	Industrial trucks	ISO/DTS 14074	Environmental management — Life cycle assessment — Principles, requirements and guidelines for normalization, weighting and interpretation
ISO/CD 2328	Industrial trucks — Hook-on type fork arms and fork arm carriages — Mounting dimensions	TC 211	Geographic information/Geomatics
TC 119	Powder metallurgy	ISO/CD 19160-2	Addressing — Part 2: Assigning and maintaining addresses for objects in the physical world
ISO/CD 4491-2	Metallic powders — Determination of oxygen content by reduction methods — Part 2: Loss of mass on hydrogen reduction (hydrogen loss)	TC 212	Clinical laboratory testing and in vitro diagnostic test systems
ISO/DTR 23867	Ultrasonic testing of hardmetals	ISO/CD 20658	Medical laboratories — Requirements for collection and transport of samples
TC 121	Anaesthetic and respiratory equipment	TC 213	Dimensional and geometrical product specifications and verification
IEC/CD 80601-2-71	Medical electrical equipment — Part 2-71: Particular requirements for the basic safety and essential performance of functional Near-Infrared Spectroscopy (NIRS) equipment	ISO/CD 5059-1	Geometrical product specifications (GPS) — Dimensional measuring equipment: inside micrometers — Part 1: Two-point inside micrometers — Design and metrological characteristics
ISO/CD 7396-3	Medical gas pipeline systems — Part 3: Proportioning units for the production of synthetic medical air	ISO/DTR 16610-32	Geometrical product specifications (GPS) — Filtration — Part 32: Robust profile filters: Spline filters
ISO/CD 15002	Flow-metering devices for connection to terminal units of medical gas pipeline systems	ISO/DTR 23850	Geometrical Product Specification (GPS) — Association — Mathematical concepts
TC 147	Water quality	TC 215	Health informatics
ISO/DTS 7013	Water quality — Guidance document on designing an interlaboratory trial for validation of analytical methods	ISO/CD 18104	Health informatics — Categorial structures for representation of nursing practice in terminological systems
TC 150	Implants for surgery	ISO/CD 29585	Health informatics – Framework for healthcare and related data reporting
ISO/DTS 24560-1	Tissue engineered medical products — MRI evaluation of cartilage — Part 1: Clinical evaluation of regenerative knee articular cartilage using delayed gadolinium-enhanced MRI of cartilage (dGEMRIC) and T2 mapping	TC 224	Drinking water, wastewater and stormwater systems and services
TC 156	Corrosion of metals and alloys	ISO/CD 24566-1	Service activities relating to drinking water supply, wastewater and stormwater systems – Adaptation of water services to climate change impacts — Part 1: Assessment principles
ISO/CD 7054	The wiping method for measurements of gases and particles on real structures and equipment	TC 238	Solid biofuels
TC 159	Ergonomics	ISO/CD 17225-8	Solid biofuels — Fuel specifications and classes — Part 8: Graded thermally treated and densified biomass fuels
ISO/CD 25062	Software engineering — Software product Quality Requirements and Evaluation (SQuaRE) — Common Industry Format (CIF) for usability test reports	TC 260	Human resource management
TC 171	Document management applications	ISO/CD 30435	Human Resource Management — Workforce Data Quality Standard
ISO/CD TS 8621	Document management — Digital file format preservation — Selection criteria		

TC 268	Sustainable cities and communities
ISO/DTR 6030	Smart community infrastructures – Disaster risk reduction – Survey results and gap analysis
ISO/DTS 37172	Smart community infrastructures — Data exchange and sharing for community infrastructures based on geographic information
TC 299	Robotics
ISO/CD 18646-2	Robotics — Performance criteria and related test methods for service robots — Part 2: Navigation
TC 304	Healthcare organization management
ISO/CD 6028	Pandemic response — Self-symptom checker
JTC 1	Information technology
ISO/IEC CD 9594-12	Information technology — Open systems interconnection — Part 12: The Directory: Public key infrastructure establishment and maintenance
ISO/IEC DTR 29119-13	Software and systems engineering — Software testing — Part 13: Guidelines for the use of ISO/IEC/IEEE 29119 in the testing of biometric systems
ISO/IEC CD 24789-1.4	Identification cards — Card service life — Part 1: Application profiles and requirements
ISO/IEC CD 24789-2.4	Identification cards — Card service life — Part 2: Methods of evaluation
ISO/IEC 24760-1:2019/CD Amd 1	IT Security and Privacy — A framework for identity management — Part 1: Terminology and concepts — Amendment 1
ISO/IEC CD 27006-1.2	Requirements for bodies providing audit and certification of information security management systems — Part 1: General
ISO/IEC CD TR 27563	Impact of security and privacy in artificial intelligence
ISO/IEC CD 23001-11	Information technology — MPEG systems technologies — Part 11: Energy-efficient media consumption (green metadata)
ISO/IEC 23090-2:2021/CD Amd 1	Information technology — Coded representation of immersive media — Part 2: Omnidirectional media format — Amendment 1: VVC Support and other improvements
ISO/IEC DIS 23090-15/CD Amd 1	Information technology — Coded representation of immersive media — Part 15: Conformance testing for versatile video coding — Amendment 1: Operation range extensions
ISO/IEC CD 23093-4	Information technology — Internet of media things — Part 4: Reference software and conformance
ISO/IEC CD 39075	Information Technology — Database Languages — GQL
ISO/IEC CD 4932	Information technology — Learning, education and training — Access For All Metadata: Accessibility Core Terms (AfA-core-terms)

\* Available in English only

Vote terminates

TC 2	Fasteners	
ISO/DIS 7380-1	Fasteners — Button head screws with reduced loadability — Part 1: Hexagon socket button head screws (Revision of ISO 7380-1:2011)	2022-02-07
ISO/DIS 7380-2	Fasteners — Button head screws with reduced loadability — Part 2: Hexagon socket button head screws with collar (Revision of ISO 7380-2:2011)	2022-02-07
ISO/DIS 14581	Fasteners — Hexalobular socket countersunk flat head screws (common head style) with reduced loadability (Revision of ISO 14581:2013)	2022-02-08
TC 6	Paper, board and pulps	
ISO/DIS 3688	Pulps – Preparation of laboratory sheets for the measurement of optical properties (Revision of ISO 3688:1999)	2022-02-09
ISO/DIS 24118-1	Paper and board — Stylus contact method — Part 1: Determination of surface roughness	2022-02-10
TC 8	Ships and marine technology	
ISO/DIS 23780-1	Ships and marine technology — Procedure for testing the performance of continuous monitoring TRO sensors used in ships — Part 1: DPD sensors	2022-02-08
ISO/DIS 24132	Ships and marine technology — Design and testing of marine transfer arms for liquefied hydrogen	2022-02-09
ISO/DIS 3482	Marine technology — Technical guidelines for the active source exploration with Ocean Bottom Seismometers (OBS)	2022-02-17
TC 17	Steel	
ISO/DIS 14284	Steel and iron — Sampling and preparation of samples for the determination of chemical composition (Revision of ISO 14284:1996)	2022-02-01
TC 20	Aircraft and space vehicles	
ISO/DIS 16378	Space systems — Measurements of thermo-optical properties of thermal control materials (Revision of ISO 16378:2013)	2022-02-09
ISO/DIS 17401	Space systems — Spacecraft interface requirements document for launch vehicle services (Revision of ISO 17401:2004)	2022-02-14
ISO/DIS 22010	Space systems — Mass properties control (Revision of ISO 22010:2007)	2022-02-09
TC 22	Road vehicles	

## DIS circulated

Period from 01 November to 01 December 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.

ISO/DIS 18669-2	Internal combustion engines — Piston pins — Part 2: Inspection measuring principles	2022-01-31	ISO/DIS 4465	Textiles — Animal welfare in the supply chain — General requirements for the production, preparation and traceability of Angora rabbit fibre, including ethical claims and supporting information	2022-02-11
ISO/DIS 11154	Road vehicles — Roof load carriers	2022-02-17	TC 41	Pulleys and belts (including veebelts)	
ISO/DIS 20766-7	Road vehicles — Liquefied petroleum gas (LPG) fuel system components — Part 7: Remotely controlled service valve with excess flow valve	2022-01-26	ISO/DIS 9608	V-belts and V-ribbed belts — Uniformity of belts — Test method for determination of centre distance variation (Revision of ISO 9608:1994)	2022-02-15
TC 28	Petroleum and related products, fuels and lubricants from natural or synthetic sources		TC 42	Photography	
ISO/DIS 7278-2	Petroleum measurement systems — Part 2: Pipe prover design, calibration and operation	2022-02-10	ISO/DIS 18951-1	Imaging materials — Scratch resistance of photographic prints — Part 1: General test method	2022-02-17
TC 34	Food products		ISO/DIS 18951-2	Imaging materials — Scratch resistance of photographic prints — Part 2: Sclerometer test method	2022-02-17
ISO/DIS 20716	Oolong tea — Definition and basic requirements	2022-01-27	TC 44	Welding and allied processes	
ISO 10272-1:2017/DAMd 1	Microbiology of the food chain — Horizontal method for detection and enumeration of <i>Campylobacter</i> spp. — Part 1: Detection method — Amendment 1: Inclusion of methods for molecular confirmation and identification of thermotolerant <i>Campylobacter</i> spp., and correction of the performance testing of the media	2022-02-15	ISO/DIS 11745	Brazing for aerospace applications — Qualification test for brazers and brazing operators — Brazing of metallic components (Revision of ISO 11745:2010)	2022-02-04
ISO 10272-2:2017/DAMd 1	Microbiology of the food chain — Horizontal method for detection and enumeration of <i>Campylobacter</i> spp. — Part 2: Colony-count technique — Amendment 1: Inclusion of methods for molecular confirmation and identification of thermotolerant <i>Campylobacter</i> spp. and correction of the performance testing of the media	2022-02-15	TC 52	Light gauge metal containers	
TC 35	Paints and varnishes		ISO/DIS 5099	Light gauge metal containers — Easy open ends and peel off ends — Dimensions	2022-02-07
ISO/DIS 16053	Paints and varnishes — Coating materials and coating systems for exterior wood — Natural weathering test (Revision of ISO 16053:2018)	2022-02-14	TC 61	Plastics	
ISO/DIS 11127-7	Preparation of steel substrates before application of paints and related products — Test methods for non-metallic blast-cleaning abrasives — Part 7: Determination of water-soluble chlorides (Revision of ISO 11127-7:2011)	2022-02-07	ISO/DIS 306	Plastics — Thermoplastic materials — Determination of Vicat softening temperature (VST) (Revision of ISO 306:2013)	2022-02-10
TC 38	Textiles		TC 67	Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries	
			ISO/DIS 15589-2	Petroleum, petrochemical and natural gas industries — Cathodic protection of pipeline transportation systems — Part 2: Offshore pipelines (Revision of ISO 15589-2:2012)	2022-02-11
			ISO/DIS 13703-2	Petroleum, petrochemical and natural gas industries — Piping systems on offshore platforms and onshore plants — Part 2: Materials (Revision of ISO 13703:2000, ISO 13703:2000/Cor 1:2002)	2022-02-11
			TC 69	Applications of statistical methods	
			ISO/DIS 24185	Evaluation of the uncertainty of measurements from a stationary autocorrelated process	2022-02-21
			TC 76	Transfusion, infusion and injection, and blood processing equipment for medical and pharmaceutical use	

ISO 8536-3:2009/DAmD 1	Infusion equipment for medical use — Part 3: Aluminium caps for infusion bottles — Amendment 1	2022-02-09	(Revision of ISO/TS 16976-8:2013)	TC 105	Steel wire ropes	
ISO/DIS 8872	Aluminium caps and aluminium/plastic caps for infusion bottles and injection vials — General requirements and test methods (Revision of ISO 10985:2009, ISO 8872:2003)	2022-02-10		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
TC 83	Sports and other recreational facilities and equipment			TC 106	Dentistry	
ISO/DIS 7152	Camping tents and caravan awnings — Vocabulary and list of equivalent terms (Revision of ISO 7152:1997, ISO 7152:1997/Amd 1:2006)	2022-02-08		ISO/DIS 7551	Dentistry — Absorbent points	2022-02-14
ISO/DIS 10256-1	Protective equipment for use in ice hockey — Part 1: General requirements (Revision of ISO 10256-1:2016)	2022-02-08		ISO/DIS 21606	(Revision of ISO 7551:1996) Dentistry — Elastomeric auxiliaries for use in orthodontics	2022-02-09
ISO/DIS 10256-2	Protective equipment for use in ice hockey — Part 2: Head protection for skaters (Revision of ISO 10256-2:2016)	2022-02-08		ISO/DIS 5467-1	(Revision of ISO 21606:2007) Dentistry — Mobile dental units and patient chairs — Part 1: General requirements	2022-02-15
ISO/DIS 10256-3	Protective equipment for use in ice hockey — Part 3: Face and eye protectors for skaters (Revision of ISO 10256-3:2016)	2022-02-08		ISO/DIS 5467-2	Dentistry — Mobile dental units and dental patient chairs — Part 2: Air, water, suction and wastewater systems	2022-02-23
ISO/DIS 10256-4	Protective equipment for use in ice hockey — Part 4: Head and face protection for goalkeepers (Revision of ISO 10256-4:2016)	2022-02-08		TC 107	Metallic and other inorganic coatings	
TC 92	Fire safety			ISO/DIS 24674	Method and requirement of plasma nitriding and follow-up PVD hard coatings on cold-work mould steels	2022-02-09
ISO/DIS 24678-9	Fire safety engineering — Requirements governing algebraic equations — Part 9: Ejected flame from an opening	2022-02-14		ISO/DIS 24688	Determination of modulation period of nano-multilayer coatings by low-angle X-ray methods	2022-02-09
TC 94	Personal safety -- Personal protective equipment			TC 110	Industrial trucks	
ISO/DIS 12311	Personal protective equipment — Test methods for sunglasses and related eyewear (Revision of ISO 12311:2013)	2022-02-07		ISO/DIS 3691-4	Industrial trucks — Safety requirements and verification — Part 4: Driverless industrial trucks and their systems (Revision of ISO 3691-4:2020)	2022-02-07
ISO 21420:2020/DAmD 1	Protective gloves — General requirements and test methods — Amendment 1	2022-01-25		TC 113	Hydrometry	
ISO/DIS 16976-4	Respiratory protective devices — Human factors — Part 4: Work of breathing and breathing resistance: Physiologically based limits (Revision of ISO/TS 16976-4:2019)	2022-01-27		ISO/DIS 4359	Flow measurement structures — Rectangular, trapezoidal and U-shaped flumes (Revision of ISO 4359:2013)	2022-02-09
ISO/DIS 16976-6	Respiratory protective devices — Human factors — Part 6: Psycho-physiological effects (Revision of ISO/TS 16976-6:2014)	2022-01-27		TC 119	Powder metallurgy	
ISO/DIS 16976-8	Respiratory protective devices — Human factors — Part 8: Ergonomic factors	2022-01-27		ISO/DIS 2740	Sintered metal materials, excluding hardmetals — Tensile test pieces (Revision of ISO 2740:2009)	2022-02-02
				TC 131	Fluid power systems	
				ISO/DIS 12238	Pneumatic fluid power — Directional control valves — Measurement of shifting time (Revision of ISO 12238:2001)	2022-01-26
				TC 135	Non-destructive testing	
				ISO/DIS 18251-2	Non-destructive testing — Infrared thermography — Part 2: Test method for integrated performance	2022-02-11



ISO/DIS 24543	Non-destructive testing — Acoustic emission testing — Verification of the receiving sensitivity spectra of piezoelectric acoustic emission sensors	2022-01-31	ISO/DIS 4210-7	Cycles — Safety requirements for bicycles — Part 7: Wheels and rims test methods  (Revision of ISO 4210-7:2014)	2022-01-28
TC 138	Plastics pipes, fittings and valves for the transport of fluids		ISO/DIS 4210-8	Cycles — Safety requirements for bicycles — Part 8: Pedal and drive system test methods  (Revision of ISO 4210-8:2014)	2022-01-28
ISO 4427-2:2019/DAmD 1	Plastics piping systems for water supply, and for drainage and sewerage under pressure — Polyethylene (PE) — Part 2: Pipes — Amendment 1	2022-02-01	ISO/DIS 4210-9	Cycles — Safety requirements for bicycles — Part 9: Saddles and seat-post test methods  (Revision of ISO 4210-9:2014)	2022-01-28
TC 145	Graphical symbols		ISO/DIS 8098	Cycles — Safety requirements for bicycles for young children  (Revision of ISO 8098:2014)	2022-01-31
ISO/DIS 7001	Graphical symbols — Registered Public information symbols  (Revision of ISO 7001:2007, ISO 7001:2007/Amd 1:2013/ Cor 1:2014, ISO 7001:2007/ Amd 1:2013, ISO 7001:2007/ Amd 2:2015, ISO 7001:2007/ Amd 3:2016, ISO 7001:2007/ Amd 4:2017)	2022-02-21	TC 150	Implants for surgery	
			ISO 7206-13:2016/DAmD 1	Implants for surgery — Partial and total hip joint prostheses — Part 13: Determination of resistance to torque of head fixation of stemmed femoral components — Amendment 1	2022-02-17
TC 146	Air quality		TC 154	Processes, data elements and documents in commerce, industry and administration	
ISO/DIS 8518	Workplace air — Determination of particulate lead and lead compounds — Flame or electrothermal atomic absorption spectrometric method (Revision of ISO 8518:2001)	2022-02-09	ISO/DIS 14533-1	Processes, data elements and documents in commerce, industry and administration — Long term signature — Part 1: Profiles for CMS Advanced Electronic Signatures (CAeS) (Revision of ISO 14533-1:2014)	2022-02-10
TC 147	Water quality		TC 156	Corrosion of metals and alloys	
ISO/DIS 4722-1	Water quality — Thorium 232 — Part 1: Test method using alpha spectrometry	2022-02-15	ISO/DIS 3079	A two-electrode method using acetic acid to measure pitting potential of aluminium and aluminium alloys in chloride solutions	2022-02-04
TC 149	Cycles		ISO/DIS 4680	Corrosion of metals and alloys — Method of uniaxial constant load test for evaluating susceptibility of metals and alloys to stress corrosion cracking in high-purity water at high temperatures	2022-02-16
ISO/DIS 4210-1	Cycles — Safety requirements for bicycles — Part 1: Terms and definitions  (Revision of ISO 4210-1:2014)	2022-01-28	ISO/DIS 23669	Corrosion of metals and alloys — Guidelines for localised corrosion and environmentally assisted cracking testing of additively manufactured metals and alloys	2022-01-31
ISO/DIS 4210-2	Cycles — Safety requirements for bicycles — Part 2: Requirements for city and trekking, young adult, mountain and racing bicycles  (Revision of ISO 4210-2:2015)	2022-01-28	TC 159	Ergonomics	
ISO/DIS 4210-3	Cycles — Safety requirements for bicycles — Part 3: Common test methods  (Revision of ISO 4210-3:2014)	2022-01-28	ISO/DIS 24553	Ergonomics — Accessible design — Ease of operation	2022-02-07
ISO/DIS 4210-4	Cycles — Safety requirements for bicycles — Part 4: Braking test methods  (Revision of ISO 4210-4:2014)	2022-01-28	ISO/DIS 7933.2	Ergonomics of the thermal environment — Analytical determination and interpretation of heat stress using calculation of the predicted heat strain (Revision of ISO 7933:2004)	2022-01-07
ISO/DIS 4210-5	Cycles — Safety requirements for bicycles — Part 5: Steering test methods  (Revision of ISO 4210-5:2014)	2022-01-28	TC 163	Thermal performance and energy use in the built environment	
ISO/DIS 4210-6	Cycles — Safety requirements for bicycles — Part 6: Frame and fork test methods  (Revision of ISO 4210-6:2015)	2022-01-28			

ISO/DIS 16478	Thermal insulation products — Vacuum insulation panels (VIPs) — Specification	2022-02-16	ISO 21149:2017/DAmd 1	Cosmetics — Microbiology — Enumeration and detection of aerobic mesophilic bacteria — Amendment 1	2022-02-18
TC 173	Assistive products		ISO 21150:2015/DAmd 1	Cosmetics — Microbiology — Detection of Escherichia coli — Amendment 1	2022-02-18
ISO/DIS 16840-3	Wheelchair seating — Part 3: Determination of static, impact and repetitive load strengths for postural support devices (Revision of ISO 16840-3:2014)	2022-02-07	ISO 22717:2015/DAmd 1	Cosmetics — Microbiology — Detection of Pseudomonas aeruginosa — Amendment 1	2022-02-18
TC 178	Lifts, escalators and moving walks		ISO 22718:2015/DAmd 1	Cosmetics — Microbiology — Detection of Staphylococcus aureus — Amendment 1	2022-02-18
ISO/DIS 8100-33	Lifts for the transport of persons and goods — Part 33: T-type guide rails for lift cars and counterweights (Revision of ISO 7465:2007)	2022-02-07	TC 218	Timber	
TC 182	Geotechnics		ISO/DIS 8965.2	Logging industry — Technology — Vocabulary	2022-01-07
ISO 17892-1:2014/DAmd 1	Geotechnical investigation and testing — Laboratory testing of soil — Part 1: Determination of water content — Amendment 1	2022-02-10		(Revision of ISO 8965:2013)	
ISO/DIS 24057	Array measurement of micro-tremors to estimate shear wave velocity profile	2022-02-22	TC 238	Solid biofuels	
TC 190	Soil quality		ISO/DIS 20048-2	Solid biofuels — Determination of off-gassing and oxygen depletion characteristics — Part 2: Operational method for screening of carbon monoxide off-gassing	2022-02-17
ISO/DIS 11268-2	Soil quality — Effects of pollutants on earthworms — Part 2: Determination of effects on reproduction of Eisenia fetida/Eisenia andrei (Revision of ISO 11268-2:2012)	2022-02-08	TC 249	Traditional Chinese medicine	
TC 194	Biological and clinical evaluation of medical devices		ISO/DIS 4754	Traditional Chinese Medicine — Fermented Cordyceps Powder	2022-02-22
ISO/DIS 10993-17	Biological evaluation of medical devices — Part 17: Toxicological risk assessment of medical device constituents (Revision of ISO 10993-17:2002)	2022-02-10	ISO/DIS 19609-3	Traditional Chinese medicine — Quality and safety of raw materials and finished products made with raw materials — Part 3: Testing for contaminants	2022-02-21
TC 201	Surface chemical analysis		TC 260	Human resource management	
ISO/DIS 24417	Surface chemical analysis — Analysis of metallic nanolayers on iron based substrates by glow-discharge optical-emission spectrometry	2022-02-10	ISO/DIS 30400	Human resource management — Vocabulary	2022-02-22
TC 211	Geographic information/ Geomatics			(Revision of ISO 30400:2016)	
ISO/DIS 19168-2	Geographic information – Geospatial API for features — Part 2: Coordinate Reference Systems by Reference	2022-01-26	TC 268	Sustainable cities and communities	
TC 217	Cosmetics		ISO/DIS 37109	Sustainable cities and communities — Recommendations and requirements for project developers — Meeting ISO 37101 framework principles	2022-02-21
ISO 11930:2019/DAmd 1	Cosmetics — Microbiology — Evaluation of the antimicrobial protection of a cosmetic product — Amendment 1	2022-02-18	TC 269	Railway applications	
ISO 16212:2017/DAmd 1	Cosmetics — Microbiology — Enumeration of yeast and mould — Amendment 1	2022-02-18	ISO/DIS 19659-3	Railway applications — Heating, ventilation and air conditioning systems for rolling stock — Part 3: Energy efficiency	2022-02-22
ISO 18415:2017/DAmd 1	Cosmetics — Microbiology — Detection of specified and non-specified microorganisms — Amendment 1	2022-02-18	TC 292	Security and resilience	
ISO 18416:2015/DAmd 1	Cosmetics — Microbiology — Detection of Candida albicans — Amendment 1	2022-02-18	ISO/DIS 22361	Security and resilience — Crisis management — Guidelines for a strategic capability	2022-01-24
			TC 297	Waste collection and transportation management	
			ISO/DIS 24161	Waste collection and transportation management — Vocabulary	2022-02-08



JTC 1	Information technology			TC 6	Paper, board and pulps	
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Period from 01 November to 01 December 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

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## Standards published

New International Standards published between 01 November and 01 December 2021

<sup>1</sup> delayed publication of language version

<sup>2</sup> corrected version

<sup>3</sup> multilingual document

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ISO 4674-2:2021	en fr	Rubber- or plastics-coated fabrics — Determination of tear resistance — Part 2: Ballistic pendulum method		B	ISO 23977-2:2020	fr	Plastics — Determination of the aerobic biodegradation of plastic materials exposed to seawater — Part 2: Method by measuring the oxygen demand in closed respirometer	B
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ISO 4787:2021	en fr	Laboratory glass and plastic ware — Volumetric instruments — Methods for testing of capacity and for use		D				
TC 54		Essential oils		ISO 6368:2021	en	Petroleum, petrochemical and natural gas industries — Dry gas sealing systems for axial, centrifugal, and rotary screw compressors and expanders	A	
ISO 5093:2021	en fr	Essential oil of lemon myrtle ( <i>Backhousia citriodora</i> F. Muell.), citral type		B				
TC 58		Gas cylinders		ISO 19901-5:2021	en	Petroleum and natural gas industries — Specific requirements for offshore structures — Part 5: Weight management	G	
ISO 10286:2021		Gas cylinders — Vocabulary		A				
ISO 9809-4:2021	en	Gas cylinders — Design, construction and testing of refillable seamless steel gas cylinders and tubes — Part 4: Stainless steel cylinders with an Rm value of less than 1 100 MPa		G	ISO/TS 18683:2021	en	Guidelines for safety and risk assessment of LNG fuel bunkering operations	F
TC 61		Plastics		ISO 4914:2021	en	Financial services — Unique product identifier (UPI)	B	
ISO 11359-2:2021	en	Plastics — Thermomechanical analysis (TMA) — Part 2: Determination of coefficient of linear thermal expansion and glass transition temperature		B				
ISO 527-5:2021	en fr	Plastics — Determination of tensile properties — Part 5: Test conditions for unidirectional fibre-reinforced plastic composites		C	ISO/TR 11843-8:2021	en	Capability of detection — Part 8: Guidance for the implementation of the ISO 11843 series	F
ISO 22403:2020	fr	Plastics — Assessment of the intrinsic biodegradability of materials exposed to marine inocula under mesophilic aerobic laboratory conditions — Test methods and requirements		A	TC 71	Concrete, reinforced concrete and pre-stressed concrete		
ISO 22404:2019	fr	Plastics — Determination of the aerobic biodegradation of non-floating materials exposed to marine sediment — Method by analysis of evolved carbon dioxide		B	ISO 20290-1:2021	en	Aggregates for concrete — Test methods for mechanical and physical properties — Part 1: Determination of bulk density, particle density, particle mass-per-volume and water absorption	B
ISO 22526-1:2020	fr	Plastics — Carbon and environmental footprint of biobased plastics — Part 1: General principles		B	ISO 21725-1:2021	en	Simplified design of prestressed concrete bridges — Part 1: I-girder bridges	H
					ISO 21725-2:2021	en	Simplified design of prestressed concrete bridges — Part 2: Box-girder bridges	H
				TC 85	Nuclear energy, nuclear technologies, and radiological protection			

ISO 8529-1:2021	en fr	Neutron reference radiations fields — Part 1: Characteristics and methods of production	E	ISO 4382-2:2021	en	Plain bearings — Copper alloys — Part 2: Wrought copper alloys for solid plain bearings	A
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TC 94		Personal safety -- Personal protective equipment		ISO 6691:2021	en	Thermoplastic polymers for plain bearings — Classification and designation	E
ISO 20344:2021	en fr	Personal protective equipment — Test methods for footwear	H	<hr/>			
ISO 23407:2021	en fr	Protective gloves against thermal risks (heat and/or fire)	D	TC 130		Graphic technology	
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TC 96		Cranes		TC 131		Fluid power systems	
ISO 12210:2021	en	Cranes — Anchoring devices for in- service and out-of-service conditions	A	ISO/TS 13725:2021	fr	Hydraulic fluid power — Method for evaluating the buckling load of a hydraulic cylinder	D
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TC 102		Iron ore and direct reduced iron		ISO 10094-2:2021	en fr	Pneumatic fluid power — Electro- pneumatic pressure control valves — Part 2: Test methods to determine main characteristics to include in the supplier's literature	E
ISO/TS 9516-4:2021	en	Iron ores — Determination of vari- ous elements by X-ray fluorescence spectrometry — Part 4: Performance- based method using fusion prepara- tion method	B	ISO 23840:2021	en	Water hydraulics — Water-hydraulic pumps — Methods of testing and representing basic steady-state performance	C
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TC 106		Dentistry		TC 134		Fertilizers, soil conditioners and beneficial substances	
ISO 7711-1:2021	en fr	Dentistry — Diamond rotary instruments — Part 1: General requirements	B	ISO 20620:2021	fr	Fertilizers and soil conditioners — Determination of total nitrogen by combustion	A
ISO 9680:2021	en fr	Dentistry — Operating lights	D	ISO 22862:2021	en fr	Fertilizers and soil conditioners — Compound fertilizer — General requirements	B
ISO 10873:2021	fr	Dentistry — Denture adhesives	C	<hr/>			
<hr/>				TC 136		Furniture	
TC 107		Metallic and other inorganic coatings		ISO 3055:2021	en	Kitchen equipment — Coordinating sizes	B
ISO 4524-3:2021	fr	Metallic coatings — Test methods for electrodeposited gold and gold alloy coatings — Part 3: Electrographic tests for porosity	A	ISO 23769:2021	en	Furniture — Mattresses — Test methods for the determination of functional characteristics	C
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TC 108		Mechanical vibration, shock and condition monitoring		TC 147		Water quality	
ISO 13373-4:2021	en fr	Condition monitoring and diagnostics of machines — Vibration condition monitoring — Part 4: Diagnostic techniques for gas and steam tur- bines with fluid-film bearings	D	ISO 8466-1:2021	en	Water quality — Calibration and evaluation of analytical methods — Part 1: Linear calibration function	F
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TC 113		Hydrometry		TC 150		Implants for surgery	
ISO 748:2021	en fr	Hydrometry — Measurement of liquid flow in open channels — Velocity area methods using point velocity measurements	F	ISO 5832-3:2021	en fr	Implants for surgery — Metallic materials — Part 3: Wrought titanium 6-aluminium 4-vanadium alloy	B
<hr/>				ISO 22679:2021	en	Cardiovascular implants — Tran- scatheter cardiac occluders	G
TC 121		Anaesthetic and respiratory equipment		<hr/>			
ISO 10079-4:2021	fr	Medical suction equipment — Part 4: General requirements	E	ISO 25539-4:2021	en	Cardiovascular implants — Endovas- cular devices — Part 4: Application of ISO 17327-1 for coated endovascular devices	B
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TC 123		Plain bearings		TC 159		Ergonomics	
ISO 4382-1:2021	en	Plain bearings — Copper alloys — Part 1: Cast copper alloys for solid and multilayer thick-walled plain bearings	B	<hr/>			

ISO 9241-20:2021	en fr	Ergonomics of human-system interaction — Part 20: An ergonomic approach to accessibility within the ISO 9241 series	D	ISO/TS 16775:2021	en fr	Packaging for terminally sterilized medical devices — Guidance on the application of ISO 11607-1 and ISO 11607-2	H
TC 160		Glass in building		TC 204		Intelligent transport systems	
ISO 21690:2021	en	Glass in building — Glass blocks — Specification and test methods	B	ISO 20529-2:2021	en	Intelligent transport systems — Framework for Green ITS (G-ITS) standards — Part 2: Integrated mobile service applications	G
TC 161		Controls and protective devices for gas and/or oil		ISO/TS 21719-3:2021	en	Electronic fee collection — Personalization of on-board equipment (OBE) — Part 3: Using integrated circuit(s) cards	C
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 215		Health informatics	
TC 163		Thermal performance and energy use in the built environment		ISO/TS 24289:2021	en	Health informatics — Hierarchical file structure specification for secondary storage of health-related information	C
ISO 12571:2021	en fr	Hygrothermal performance of building materials and products — Determination of hygroscopic sorption properties	D	TC 216		Footwear	
ISO 19467-2:2021	en	Thermal Performance of windows and doors — Determination of solar heat gain coefficient using solar simulator — Part 2: Centre of glazing	E	ISO 16189:2021	en fr	Footwear — Critical substances potentially present in footwear and footwear components — Test method to quantitatively determine dimethylformamide in footwear materials	A
TC 172		Optics and photonics		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 17328:2021	en	Optics and photonics — Optical materials and components — Test method for refractive index of infrared optical materials	C	ISO 21061:2021	en fr	Footwear — Chemical tests — General principles on the preparation of samples	C
TC 173		Assistive products		TC 219		Floor coverings	
ISO 16840-12:2021	en	Wheelchair seating — Part 12: Envelopment and immersion characterization of seat cushions using a dual semispherical indenter	C	ISO 23999:2021	en fr	Resilient floor coverings — Determination of dimensional stability and curling after exposure to heat	C
TC 182		Geotechnics		TC 228		Tourism and related services	
ISO 17892-12:2018/Amd 1:2021	fr	Geotechnical investigation and testing — Laboratory testing of soil — Part 12: Determination of liquid and plastic limits — Amendment 1	XZ	ISO 21620:2021	en	Tourism and related services — Heritage hotels — Equipment and service requirements	C
TC 184		Automation systems and integration		ISO 21621:2021	en	Tourism and related services — Traditional restaurants — Visual aspects, decoration and services	C
ISO 8000-110:2021	en	Data quality — Part 110: Master data: Exchange of characteristic data: Syntax, semantic encoding, and conformance to data specification	D	TC 229		Nanotechnologies	
TC 188		Small craft		ISO/TR 22455:2021	en	Nanotechnologies — High throughput screening method for nanoparticles toxicity using 3D model cells	D
ISO 16315:2016	en fr	Small craft — Electric propulsion system	D	ISO/TS 23302:2021	en	Nanotechnologies — Requirements and recommendations for the identification of measurands that characterise nano-objects and materials that contain them	G
TC 194		Biological and clinical evaluation of medical devices		TC 249		Traditional Chinese medicine	
ISO 10993-10:2021	en fr	Biological evaluation of medical devices — Part 10: Tests for skin sensitization	F	ISO 18666:2021	en	Traditional Chinese medicine — General requirements of moxibustion devices	B
ISO/TR 21582:2021	fr	Pyrogenicity — Principles and methods for pyrogen testing of medical devices	C	ISO 23961-1:2021	en	Traditional Chinese medicine — Vocabulary for diagnostics — Part 1: Tongue	A
TC 198		Sterilization of health care products					

ISO 23961-2:2021	en	Traditional Chinese medicine — Vocabulary for diagnostics — Part 2: Pulse	A	ISO 8373:2021	en fr	Robotics — Vocabulary	A
TC 255		Biogas		TC 307		Blockchain and distributed ledger technologies	
ISO 24252:2021	en	Biogas systems — Non-household and non-gasification	F	ISO/TS 23258:2021	en	Blockchain and distributed ledger technologies — Taxonomy and Ontology	E
TC 256		Pigments, dyestuffs and extenders		TC 314		Ageing societies	
ISO 788:2021	fr	Ultramarine pigments	B	ISO 25551:2021	en	Ageing societies — General requirements and guidelines for carer-inclusive organizations	D
TC 261		Additive manufacturing		TC 324		Sharing economy	
ISO/ASTM 52900:2021	en fr	Additive manufacturing — General principles — Fundamentals and vocabulary	A	ISO 42500:2021	en	Sharing economy — General principles	A
ISO/ASTM TS 52930:2021	en fr	Additive manufacturing — Qualification principles — Installation, operation and performance (IQ/OQ/PQ) of PBF-LB equipment	D	JTC 1		Information technology	
TC 269		Railway applications		ISO/IEC/IEEE 8802-1AS:2021	en	Information technology — Telecommunications and information exchange between systems — Local and metropolitan area networks — Part 1AS: Timing and synchronization for time-sensitive applications in bridged local area networks	H
ISO 22749-2:2021	en fr	Railway applications — Suspension components — Part 2: Approval procedure and quality monitoring for elastomer-mechanical parts	A	ISO/IEC/IEEE 8802-3-2:2021	en	Telecommunications and exchange between information technology systems — Requirements for local and metropolitan area networks — Part 3-2: Standard for Ethernet YANG data model definitions	H
TC 276		Biotechnology		ISO/IEC 15909-3:2021	en	Systems and software engineering — High-level Petri nets — Part 3: Extensions and structuring mechanisms	C
ISO 5058-1:2021	en	Biotechnology — Genome editing — Part 1: Vocabulary	A	ISO/IEC 18328-2:2021	en	Identification cards — ICC-managed devices — Part 2: Physical characteristics and test methods for cards with devices	D
TC 279		Innovation management		ISO/IEC TS 23884:2021	en	Information technology — Computer graphics, image processing and environmental data representation — Material property and parameter representation for model-based haptic simulation of objects in virtual, mixed and augmented reality (VR/MAR)	B
ISO 56006:2021	en	Innovation management — Tools and methods for strategic intelligence management — Guidance	B	ISO/IEC 18045:2008	fr	Information technology — Security techniques — Methodology for IT security evaluation	H
TC 282		Water reuse		ISO/IEC TS 23532-1:2021	en	Information security, cybersecurity and privacy protection — Requirements for the competence of IT security testing and evaluation laboratories — Part 1: Evaluation for ISO/IEC 15408	D
ISO 16075-3:2021	fr	Guidelines for treated wastewater use for irrigation projects — Part 3: Components of a reuse project for irrigation	F	ISO/IEC TS 23532-2:2021	en	Information security, cybersecurity and privacy protection — Requirements for the competence of IT security testing and evaluation laboratories — Part 2: Testing for ISO/IEC 19790	D
ISO 16075-4:2021	fr	Guidelines for treated wastewater use for irrigation projects — Part 4: Monitoring	C	ISO/IEC 27013:2021	en	Information security, cybersecurity and privacy protection — Guidance on the integrated implementation of ISO/IEC 27001 and ISO/IEC 20000-1	G
TC 289		Brand evaluation		TC 292		Security and resilience	
ISO 20671-1:2021	en	Brand evaluation — Part 1: Principles and fundamentals	B	ISO/TS 22317:2021	en	Security and resilience — Business continuity management systems — Guidelines for business impact analysis	F
TC 292		Security and resilience		ISO/TS 22318:2021	en	Security and resilience — Business continuity management systems — Guidelines for supply chain continuity management	D
ISO/TS 22317:2021	en	Security and resilience — Business continuity management systems — Guidelines for business impact analysis	F	ISO 22329:2021	en	Security and resilience — Emergency management — Guidelines for the use of social media in emergencies	C
ISO/TS 22318:2021	en	Security and resilience — Business continuity management systems — Guidelines for supply chain continuity management	D	TC 299		Robotics	
ISO 22329:2021	en	Security and resilience — Emergency management — Guidelines for the use of social media in emergencies	C				

ISO/IEC 15444-2:2021	en	Information technology — JPEG 2000 image coding system — Part 2: Extensions	H
ISO/IEC 23001-16:2021	en	Information technology — MPEG systems technologies — Part 16: Derived visual tracks in the ISO base media file format	C
ISO/IEC 23094-2:2021	en	Information technology – General vid- eo coding — Part 2: Low complexity enhancement video coding	H
ISO/IEC 18000-63:2021	en	Information technology — Radio frequency identification for item man- agement — Part 63: Parameters for air interface communications at 860 MHz to 960 MHz Type C	H
ISO/IEC 21838-2:2021	en	Information technology — Top-level ontologies (TLO) — Part 2: Basic Formal Ontology (BFO)	C
ISO/IEC 29140:2021	en	Information technology for learning, education and training — Nomadicity and mobile technologies	C
ISO/IEC TR 30174:2021	en	Internet of Things (IoT) — Socialized IoT system resembling human social interaction dynamics	E
ISO/IEC TR 30176:2021	en	Internet of Things (IoT) — Integra- tion of IoT and DLT/blockchain: Use cases	F
ISO/IEC TR 24027:2021	en	Information technology — Artificial intelligence (AI) — Bias in AI systems and AI aided decision making	F

## Standards confirmed

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

TC 5	Ferrous metal pipes and metallic fittings
ISO 7005-3:1988	(reconfirmed)
TC 8	Ships and marine technology
ISO 8729-1:2010	(reconfirmed)
ISO 10596:2009	(reconfirmed)
TC 20	Aircraft and space vehicles
ISO 7257:2016	
ISO 8278:2016	
ISO 9940:2015	
ISO 11639:2010	(reconfirmed)
ISO 12573:2010	(reconfirmed)
ISO 16682:2015	
ISO 19631:2015	
ISO 19632:2015	

TC 21	Equipment for fire protection and fire fighting
ISO 7240-20:2010	(reconfirmed)
ISO 7240-24:2016	
TC 27	Coal and coke
ISO 23873:2010	(reconfirmed)
TC 34	Food products
ISO 4149:2005	(reconfirmed)
ISO 6670:2002	(reconfirmed)
ISO 6673:2003	(reconfirmed)
ISO 8460:1987	(reconfirmed)
ISO 9116:2004	(reconfirmed)
ISO 11817:1994	(reconfirmed)
TC 35	Paints and varnishes
ISO 14680-1:2000	(reconfirmed)
ISO 14680-2:2000	(reconfirmed)
ISO 14680-3:2000	(reconfirmed)
ISO 17132:2007	(reconfirmed)
ISO/TS 19392-1:2018	
ISO/TS 19392-2:2018	
ISO/TS 19392-3:2018	
ISO 19399:2016	
ISO 21227-3:2007	(reconfirmed)
TC 37	Language and terminology
ISO 860:2007	(reconfirmed)
ISO/TS 24617-5:2014	(reconfirmed)
TC 38	Textiles
ISO 4921:2000	(reconfirmed)
TC 42	Photography
ISO 422:1994	(reconfirmed)
ISO 3299:1994	(reconfirmed)
ISO 3618:1994	(reconfirmed)
ISO 3620:1994	(reconfirmed)
ISO 3626:1996	(reconfirmed)
TC 43	Acoustics
ISO 17208-1:2016	
TC 45	Rubber and rubber products
ISO 4081:2016	
ISO 7751:2016	
ISO 8066-2:2001	(reconfirmed)
ISO 8331:2016	
ISO 13363:2016	
ISO 13775-2:2016	
ISO 19013-2:2016	
ISO 30013:2011	(reconfirmed)
ISO 23233:2016	
TC 46	Information and documentation
ISO 8777:1993	(reconfirmed)
ISO 12083:1994	(reconfirmed)
ISO 17933:2000	(reconfirmed)
ISO/TS 28560-4:2014	(reconfirmed)
ISO 15489-1:2016	



TC 67	Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries
ISO 10417:2004	(reconfirmed)
ISO 28781:2010	(reconfirmed)
TC 71	Concrete, reinforced concrete and pre-stressed concrete
ISO 17785-1:2016	
TC 85	Nuclear energy, nuclear technologies, and radiological protection
ISO 18213-1:2007	(reconfirmed)
ISO 18213-2:2007	(reconfirmed)
ISO 18213-4:2008	(reconfirmed)
ISO 18213-5:2008	(reconfirmed)
ISO 18213-6:2008	(reconfirmed)
TC 87	Cork
ISO 4710:2000	(reconfirmed)
TC 92	Fire safety
ISO 13344:2015	
TC 94	Personal safety -- Personal protective equipment
ISO 16900-12:2016	
TC 102	Iron ore and direct reduced iron
ISO 11323:2010	(reconfirmed)
TC 107	Metallic and other inorganic coatings
ISO 4520:1981	(reconfirmed)
TC 110	Industrial trucks
ISO 938:1975	(reconfirmed)
ISO 1756:1975	(reconfirmed)
ISO 2331:1974	(reconfirmed)
ISO 3691-5:2014	(reconfirmed)
TC 117	Fans
ISO 13351:2009	(reconfirmed)
TC 118	Compressors and pneumatic tools, machines and equipment
ISO 3857-2:1977	(reconfirmed)
TC 127	Earth-moving machinery
ISO 6483:1980	(reconfirmed)
ISO 10268:1993	(reconfirmed)
ISO 10532:1995	(reconfirmed)
ISO 21507:2010	(reconfirmed)
TC 131	Fluid power systems
ISO 16656:2016	
ISO/TS 18409:2018	
TC 135	Non-destructive testing
ISO 3530:1979	(reconfirmed)
TC 159	Ergonomics
ISO 9241-1:1997	(reconfirmed)
TC 172	Optics and photonics
ISO 8600-1:2015	
ISO 11884-1:2006	(reconfirmed)
ISO 12853:2015	
ISO 18221:2016	
TC 190	Soil quality
ISO 11265:1994	(reconfirmed)

TC 198	Sterilization of health care products
ISO 13408-5:2006	(reconfirmed)
ISO 15883-2:2006	(reconfirmed)
ISO 15883-3:2006	(reconfirmed)
ISO 15883-7:2016	
TC 219	Floor coverings
ISO 10834:1992	(reconfirmed)
TC 334	Reference materials
ISO/TR 79:2015	
ISO/TR 10989:2009	
ISO/TR 11773:2013	
ISO/TR 16476:2016	
TMBG	Technical Management Board - groups
ISO 26000:2010	(reconfirmed)
JTC 1	Information technology
ISO/IEC 9796-2:2010	(reconfirmed)
ISO/IEC 9798-1:2010	(reconfirmed)
ISO/IEC 9798-4:1999	(reconfirmed)
ISO/IEC 9798-6:2010	(reconfirmed)
ISO/IEC 10118-2:2010	(reconfirmed)
ISO/IEC 11770-1:2010	(reconfirmed)
ISO/IEC 13888-2:2010	(reconfirmed)
ISO/IEC TS 20540:2018	
ISO/IEC 27033-6:2016	
ISO/IEC TS 27034-5-1:2018	
ISO/IEC TS 29003:2018	
ISO/IEC 29146:2016	

## Standards withdrawn

Period from 01 November to 01 December 2021

TC 29	Small tools
ISO 6344-1:1998	(replaced by ISO 6344-2:2021, ISO 6344-3:2021)
TC 34	Food products
ISO/TS 20836:2005	(replaced by ISO 20836:2021)
TC 39	Machine tools
ISO 9264:1988	(replaced by )
TC 42	Photography

ISO 18947:2013	(replaced by ISO 18947-1:2021, ISO 18947-2:2021)	ISO 7065-2:1985	(replaced by )
TC 59	Buildings and civil engineering works	ISO/IEC 7487-1:1993	(replaced by )
ISO 15928-2:2015	(replaced by )	ISO 7487-2:1985	(replaced by )
TC 67	Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries	ISO 7487-3:1986	(replaced by )
ISO 10438-4:2007	(replaced by ISO 6368:2021)	ISO 8064:1985	(replaced by )
TC 72	Textile machinery and accessories	ISO 8630-1:1987	(replaced by )
ISO 344:1981	(replaced by )	ISO 8630-3:1987	(replaced by )
ISO 16853:2010	(replaced by )	ISO 8860-1:1987	(replaced by )
TC 89	Wood-based panels	ISO 8860-2:1987	(replaced by )
ISO 27567:2009	(replaced by )	ISO/IEC 9171-1:1990	(replaced by )
TC 96	Cranes	ISO/IEC 9171-2:1990	(replaced by )
ISO 12210-1:1998	(replaced by ISO 12210:2021)	ISO/IEC 9529-1:1989	(replaced by )
ISO 12210-4:1998	(replaced by ISO 12210:2021)	ISO/IEC 9529-2:1989	(replaced by )
TC 106	Dentistry	ISO/IEC 10994:1992	(replaced by )
ISO 7711-3:2004	(replaced by ISO 7711-1:2021)	ISO/IEC 11560:1992	(replaced by )
TC 173	Assistive products	ISO/IEC 11576:1994	(replaced by )
ISO/TS 16840-12:2015	(replaced by ISO 16840-12:2021)	ISO/IEC 13403:1995	(replaced by )
TC 216	Footwear	ISO/IEC 13422:1994	(replaced by )
ISO/TS 16189:2013	(replaced by ISO 16189:2021)	ISO/IEC 13614:1995	(replaced by )
ISO/TS 16190:2013	(replaced by ISO 16190:2021)	ISO/IEC 14169:1995	(replaced by )
TC 289	Brand evaluation	ISO/IEC 14760:1997	(replaced by )
ISO 20671:2019	(replaced by ISO 20671-1:2021)	ISO/IEC 15485:1997	(replaced by )
JTC 1	Information technology	ISO/IEC 15486:1998	(replaced by )
ISO/IEC 8613-2:1995	(replaced by )	ISO/IEC 15498:1997	(replaced by )
ISO/IEC 8613-3:1995	(replaced by )	ISO/IEC 15898:1998	(replaced by )
ISO/IEC 8613-9:1996	(replaced by )	ISO/IEC 18093:1999	(replaced by )
ISO/IEC 8613-10:1995	(replaced by )	ISO/IEC 20162:2001	(replaced by )
ISO/IEC 8613-11:1995	(replaced by )	ISO/IEC 25435:2006	(replaced by )
ISO/IEC 8613-12:1996	(replaced by )	ISO/IEC 24752-1:2014	(replaced by )
ISO/IEC 8613-14:1997	(replaced by )	ISO/IEC TS 29140:2020	(replaced by ISO/IEC 29140:2021)
ISO 1862:1975	(replaced by )		
ISO 3407:1983	(replaced by )		
ISO 3561:1976	(replaced by )		
ISO 3562:1976	(replaced by )		
ISO 3563:1976	(replaced by )		
ISO 3564:1976	(replaced by )		
ISO 3692:1976	(replaced by )		
ISO 4337:1977	(replaced by )		
ISO 5652:1984	(replaced by )		
ISO 5653:1980	(replaced by )		
ISO 5654-1:1984	(replaced by )		
ISO 5654-2:1985	(replaced by )		
ISO 6098:1984	(replaced by )		
ISO 6596-1:1985	(replaced by )		
ISO 6596-2:1985	(replaced by )		
ISO 7065-1:1985	(replaced by )		

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## Meeting calendar

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The meeting calendar is available at  
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