

# ISO Update

Supplement to ISOfocus

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August 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 July to 01 August 2021

These documents are currently under consideration in the technical committee.

They have been registered at the Central Secretariat.

TC 2	Fasteners
ISO/CD 2702	Fasteners — Heat treated tapping screws — Mechanical and physical properties
TC 5	Ferrous metal pipes and metallic fittings
ISO/DTR 4340	Water aggressiveness evaluation and optimized lining choice
TC 6	Paper, board and pulps
ISO/DTS 24498	Paper, board and pulps — Estimation of uncertainty for test methods by interlaboratory comparisons
TC 20	Aircraft and space vehicles
ISO/CD 16691	Space systems — Thermal control coatings for spacecraft — General requirements
ISO/CD 24411	Space systems — Micro-vibration testing
TC 22	Road vehicles
ISO/CD 11451-5	Road vehicles — Vehicle test methods for electrical disturbances from narrowband radiated electromagnetic energy — Part 5: Reverberation chamber
ISO/CD 15830-2	Road vehicles — Design and performance specifications for the WorldSID 50th percentile male side-impact dummy — Part 2: Mechanical subsystems
TC 25	Cast irons and pig irons
ISO/DTR 10809-1.2	Cast irons — Part 1: Materials and properties for design
TC 27	Coal and coke
ISO/CD 4667	Coal — Determination of the thermal stability and thermal fragmentation
ISO/CD 4676	Coal and Coke — Determination of carboxyreactivity
TC 29	Small tools
ISO/CD 9182-1	Tools for pressing — Guide pillars — Part 1: Types

ISO/CD 9182-2	Tools for pressing — Guide pillars — Part 2: Type A, straight pillars
ISO/CD 9182-3	Tools for pressing — Guide pillars — Part 3: Type B, end-locking pillars
ISO/CD 9182-4	Tools for pressing — Guide pillars — Part 4: Type C, pillars with taper lead and bush
ISO/CD 9182-5	Tools for pressing — Guide pillars — Part 5: Type D, end-locking pillars with flange
ISO/CD 5686-1	Tapered polygonal interface with flat contact surface — Part 1: Tool shanks type F, H, A; Dimensions and versions
ISO/CD 5686-2	Tapered polygonal interface with flat contact surface — Part 2: Tool receivers type F, H, A, X— Dimensions and versions
ISO/CD 5686-3	Tapered polygonal interface with flat contact surface — Part 3: Coupling for driven tool holders with shanks of type F and A
TC 31	Tyres, rims and valves
ISO/CD 24163-1	Clamp-in Tyre Valves For Tire Pressure Monitoring Systems — Part 1: Definition, types, dimensions and valve interface
ISO/CD 24163-2	Clamp-in Tyre Valves For Tyre Pressure Monitoring Systems — Part 2: Test methods and performance
TC 34	Food products
ISO/CD 16050	Foodstuffs — Determination of aflatoxin B1, and the total content of aflatoxins B1, B2, G1 and G2 in cereals, nuts and derived products — High-performance liquid chromatographic method
ISO/CD 5671	Spices and condiments — Dried chive ( <i>Allium schoenoprasum</i> L.), cut and ground — Specification
ISO/CD TR 21380	Matcha tea
TC 35	Paints and varnishes
ISO/CD 1522	Paints and varnishes — Pendulum damping test
ISO/CD 8130-15	Coating powders — Part 15: Rheology
TC 37	Language and terminology
ISO/CD 24620-1	Language resource management — Controlled human communication (CHC) — Part 1: Basic concepts and principles
ISO/CD 24627-2	Language resource management — Comprehensive Annotation Framework (ComAF) — Part 2: Knowledge representation of surface structures associated with linguistic content using graph structures
ISO/CD 5060	Translation services — Evaluation of translation output — General guidance
TC 39	Machine tools
ISO/CD 2773	Test conditions for pillar type vertical drilling machines — Testing of the accuracy
ISO/CD 23125-1	Machine tools safety — Turning machines — Part 1: Safety requirements
TC 42	Photography
ISO/CD 12233	Photography — Electronic still picture imaging — Resolution and spatial frequency responses
TC 45	Rubber and rubber products
ISO/CD 23794	Rubber, vulcanized or thermoplastic — Abrasion testing — Guidance

TC 61	Plastics	ISO/CD 16602-2	Protective clothing for protection against chemicals — Classification, labelling and performance requirements — Part 2: Physical test methods, classification and requirements
ISO/CD 5425	Specifications for use of poly(lactic acid) based filament in additive manufacturing applications		
ISO/CD 5677	Testing and characterization of mechanically recycled Polypropylene (PP) and Polyethylene (PE) for intended use in different plastics processing techniques	ISO/CD 16602-3	Protective clothing for protection against chemicals — Classification, labelling and performance requirements — Part 3: Chemical test methods, classification and requirements
TC 67	Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries	ISO/CD 16602-4	Protective clothing for protection against chemicals — Classification, labelling and performance requirements — Part 4: Design
ISO/CD 24139-2	Petroleum and natural gas industries — Corrosion resistant alloy clad bends and fittings for pipeline transportation system — Part 2: Clad fittings	ISO/CD 16602-5	Protective clothing for protection against chemicals — Classification, labelling and performance requirements — Part 5: Whole suit test methods, classification and requirements
TC 68	Financial services	ISO/CD 16602-6	Protective clothing for protection against chemicals — Classification, labelling and performance requirements — Part 6: Guidance for selection, use, care and maintenance
ISO/DTR 22126-3	ISO 20022 Additional External Representations — Part 3: Semantic Enrichment of the ISO 20022 Conceptual Model		
ISO/DTR 22126-5	ISO 20022 Additional External Representations — Part 5: Mapping from FIX Orchestra to the common data model	TC 107 ISO/CD 14920	<b>Metallic and other inorganic coatings</b> Thermal spraying — Spraying and fusing of self-fluxing alloys
TC 76	Transfusion, infusion and injection, and blood processing equipment for medical and pharmaceutical use	TC 108	<b>Mechanical vibration, shock and condition monitoring</b>
ISO 8536-3:2009/CD Amd 1	Infusion equipment for medical use — Part 3: Aluminium caps for infusion bottles — Amendment 1	ISO/DTS 22704.3	Mechanical vibration — Uncertainty of the measurement and evaluation of human exposure to vibration
TC 82	Mining	TC 110	<b>Industrial trucks</b>
ISO/CD 24419-1	Mine closure and reclamation – Managing mining legacies — Part 1: Requirements and recommendations	ISO/CD 5053-3	Industrial trucks — Vocabulary — Part 3: Components and accessories
ISO/DTR 24419-2	Mine closure and reclamation – Managing mining legacies — Part 2: Case studies and bibliography	TC 113	<b>Hydrometry</b>
TC 83	Sports and other recreational facilities and equipment	ISO/CD 19234	Hydrometry — Low cost baffle solution to aid fish passage at triangular profile weirs
ISO/PRF TR 24666	Sports and recreational facilities — Probes for entrapment/entanglement on playground equipment — Collection of data	TC 121	<b>Anaesthetic and respiratory equipment</b>
TC 84	Devices for administration of medicinal products and catheters	ISO/CD 18562-1	Biocompatibility evaluation of breathing gas pathways in healthcare applications — Part 1: Evaluation and testing within a risk management process
ISO/CD 21649	Needle-free injection systems for medical use — Requirements and test methods	ISO/CD 18562-2	Biocompatibility evaluation of breathing gas pathways in healthcare applications — Part 2: Tests for emissions of particulate matter
TC 85	Nuclear energy, nuclear technologies, and radiological protection	ISO/CD 18562-3	Biocompatibility evaluation of breathing gas pathways in healthcare applications — Part 3: Tests for emissions of volatile organic substances
ISO/CD 20043-2	Measurement of radioactivity in the environment — Guidelines for effective dose assessment using environmental monitoring data — Part 2: Nuclear emergency exposure situation	IEC 80601-2-49:2018/CD Amd 1	Medical electrical equipment — Part 2-49: Particular requirements for the basic safety and essential performance of multifunction patient monitoring equipment — Amendment 1
ISO/CD 20956	Radiological protection — Low dose rate calibration of instruments for environmental monitoring	ISO/CD 80601-2-72	Medical electrical equipment — Part 2-72: Particular requirements for basic safety and essential performance of home healthcare environment ventilators for ventilator-dependent patients
TC 86	Refrigeration and air-conditioning	ISO/CD 80601-2-79	Medical electrical equipment — Part 2-79: Particular requirements for basic safety and essential performance of ventilatory support equipment for ventilatory impairment
ISO/CD 5222-1	Heat recovery ventilators and energy recovery ventilators-Testing and calculating methods for seasonal performance factor — Part 1: Sensible heating recovery seasonal performance factors of HRV	ISO/CD 80601-2-80	Medical electrical equipment — Part 2-80: Particular requirements for basic safety and essential performance of ventilatory support equipment for ventilatory insufficiency
TC 92	Fire safety		
ISO/DTS 21602	Fire safety engineering — Estimating the reduction in movement speed based on visibility and irritant species concentration	TC 123	<b>Plain bearings</b>
TC 94	Personal safety -- Personal protective equipment	ISO/CD 12301	Plain bearings — Quality control techniques and inspection of geometrical and material quality characteristics
ISO/CD 16602-1	Protective clothing for protection against chemicals — Classification, labelling and performance requirements — Part 1: General	ISO/CD 6834	Plain bearings — Thermo-hydrodynamic lubrication design charts for circular cylindrical-bearings under steady-state conditions

TC 127	Earth-moving machinery	ISO/CD 9241-115	Ergonomics of human-system interaction — Part 115: Guidance on conceptual design, user-system interaction design, user interface design, and navigation design
ISO/CD 21815-3	Earth-moving machinery — Collision warning and avoidance — Part 3: General risk area and risk level	ISO/DTR 9241-610.2	Ergonomics of human-system interaction — Part 610: Impact of light and lighting on humans
ISO/CD 6011	Earth-moving machinery — Visual display of machine operation	TC 161	Controls and protective devices for gas and/or oil
TC 130	Graphic technology	ISO/CD 23551-12	Safety and control devices for gas burners and gas-burning appliances — Particular requirements — Part 12: Multifunctional pressure limiter for portable gas cooker with LPG cartridge
ISO/CD TS 10128	Graphic technology — Methods of adjustment of the colour reproduction of a printing system to match a set of characterization data	TC 167	Steel and aluminium structures
ISO/CD 15339-1	Graphic technology — Printing from digital data across multiple technologies — Part 1: Principles	ISO/CD 17607-3	Steel structures — Execution of structural steelwork — Part 3: Fabrication
ISO/CD 15339-2	Graphic technology — Printing from digital data across multiple technologies — Part 2: Characterized reference printing conditions, CRPC1-CRPC7	ISO/CD 17607-4	Steel structures — Execution of structural steelwork — Part 4: Erection
ISO/CD TS 18621-21	Graphic technology — Image quality evaluation methods for printed matter — Part 21: Measurement of 1D distortions of macroscopic uniformity utilizing scanning spectrophotometers	ISO/CD 17607-6	Steel structures — Execution of structural steelwork — Part 6: Bolting
TC 131	Fluid power systems	TC 171	Document management applications
ISO/CD 7241	Hydraulic fluid power — Dimensions and requirements of quick-action couplings	ISO/CD 16684-4	Graphic technology — Extensible metadata platform (XMP) specification — Part 4: Use of XMP for semantic units
ISO/CD 4407	Hydraulic fluid power — Fluid contamination — Determination of particulate contamination by the counting method using an optical microscope	ISO/DTS 18759	Document management — Trustworthy storage system (TSS) functional and technical requirements
TC 133	Clothing sizing systems - size designation, size measurement methods and digital fittings	TC 172	Optics and photonics
ISO/CD 20947-3	Performance evaluation protocol for digital fitting systems — Part 3: Digital fitting performance	ISO/CD 10110-16	Optics and photonics — Preparation of drawings for optical elements and systems — Part 16: Diffractive surfaces
TC 135	Non-destructive testing	ISO/CD 17411	Optics and photonics — Optical materials and components — Test method for homogeneity of optical glasses by laser interferometry
ISO/CD 24647	Non-destructive testing - Robotic ultrasonic test systems - General requirements	TC 176	Quality management and quality assurance
TC 138	Plastics pipes, fittings and valves for the transport of fluids	ISO/CD 10009	Quality management — Guidance for quality tools and their application
ISO/DTS 22101-1.4	Polyethylene reinforced with short glass fibres (PE-sGF) piping systems for industrial applications — Part 1: General	ISO/DTS 10020	Quality management systems — Organizational change management — Process reference model
ISO/DTS 22101-2.4	Polyethylene reinforced with short glass fibres (PE-sGF) piping systems for industrial applications — Part 2: Pipes	TC 184	Automation systems and integration
ISO/CD 9854-1	Thermoplastics pipes for the transport of fluids — Determination of pendulum impact strength by the Charpy method — Part 1: General test method	ISO/CD 8000-51	Data quality — Part 51: Data governance: Exchange of data policy statements
ISO/CD 9854-2	Thermoplastics pipes for the transport of fluids — Determination of pendulum impact strength by the Charpy method — Part 2: Test conditions for pipes of various materials	ISO/CD 8000-117	Data quality — Part 117: Application of ISO 8000-115 to Quality Blockchains
TC 142	Cleaning equipment for air and other gases	ISO/CD TS 10303-4439	Industrial automation systems and integration — Product data representation and exchange — Part 4439: Domain model: Product life cycle support
ISO/CD 23139	Biological equipment for treating air and other gases-Application guidance for deodorization in wastewater treatment plants	ISO/CD TS 10303-4443	Industrial automation systems and integration — Product data representation and exchange — Part 4443: Domain model: For modelling and simulation information in a collaborative systems engineering context (MoSSEC)
IEC/CD 63086-2-1	Household and similar electrical air cleaning appliances - Methods for measuring the performance — Part 2-1: Particular requirements for determination of reduction of particles	TC 190	Soil quality
TC 147	Water quality	ISO/CD 16387	Soil quality — Effects of contaminants on Enchytraeidae (Enchytraeus sp.) — Determination of effects on reproduction
ISO/CD 4723	Water quality — Actinium-227 — Test method using alpha-spectrometry	TC 193	Natural gas
TC 159	Ergonomics	ISO/CD 2614	Analysis of natural gas — Analysis of biomethane — Determination of terpenes' content by micro gas chromatography
		TC 195	Building construction machinery and equipment

ISO/CD 6085	Building construction machinery and equipment — Self-loading mobile concrete mixers — Safety requirements and verification	TC 292	Security and resilience
TC 198	Sterilization of health care products	ISO/CD 22350	Security and resilience — Emergency management — Overview and framework
ISO 11607-2:2019/CD Amd 1	Packaging for terminally sterilized medical devices — Part 2: Validation requirements for forming, sealing and assembly processes — Amendment 1	ISO/CD 22398	Security and resilience – Emergency management - Guidelines for exercises
TC 204	Intelligent transport systems	TC 301	Energy management and energy savings
ISO/DTS 5255-1.2	Intelligent transport systems — Mobility integration low-speed automated driving (LSAD) system service — Part 1: Overall role and functional model	ISO/CD 50011	Energy management system Measurement of energy management progress
ISO/DTR 23255	Intelligent transport systems — Architecture — Applicability of data distribution technologies within ITS	JTC 1	Information technology
ISO/CD 23374-1	Intelligent transport systems — Automated valet parking systems (AVPS) — Part 1: System framework, requirements for automated driving, and communication interface	ISO/IEC CD 24789-1.3	Identification cards — Card service life — Part 1: Application profiles and requirements
TC 207	Environmental management	ISO/IEC CD 24789-2.3	Identification cards — Card service life — Part 2: Methods of evaluation
ISO/CD 14002-2	Environmental management systems — Guidelines for using ISO 14001 to address environmental aspects and conditions within an environmental topic area — Part 2: Water	ISO/IEC DTR 5891	A general framework for runtime hardware security assessment
TC 215	Health informatics	ISO/IEC CD 24392	Information technology — Security techniques — Security reference model for Industrial Internet Platform (IIP)
ISO/DTS 5118	Health Informatics — Categorial structure of representation for evaluation of clinical practice guidelines of Traditional Chinese Medicine	ISO/IEC CD 27006-1	Requirements for bodies providing audit and certification of information security management systems — Part 1: General
ISO/DTS 5346	Health Informatics —Categorial structure for representation of Traditional Chinese Medicine clinical decision support system	ISO/IEC CD 27011	Information technology — Security techniques — Code of practice for Information security controls based on ISO/IEC 27002 for telecommunications organizations
ISO/DTS 5568	Health Informatics —TCM labelling metadata of human biological sample information	ISO/IEC CD 27036-3	Cybersecurity — Supplier relationships — Part 3: Guidelines for information and communication technology supply chain security
ISO/DTS 16843-6	Health Informatics — Categorial structures for representation of acupuncture — Part 6: Acupuncture effect	ISO/IEC 14496-22:2019/CD Amd 2	Information technology — Coding of audiovisual objects — Part 22: Open Font Format — Amendment 2: Extending color font functionality and other updates
TC 217	Cosmetics	ISO/IEC 23000-19:2020/CD Amd 3	Information technology — Multimedia application format (MPEG-A) — Part 19: Common media application format (CMAF) for segmented media — Amendment 3
ISO/CD 4973	Microbiology — Cosmetics — Quality control of culture media described in Cosmetics Microbiology Standards	ISO/IEC FDIS 23009-8/CD Amd 1	Information technology — Dynamic adaptive streaming over HTTP (DASH) — Part 8: Session-based DASH operations — Amendment 1: URL customization and other extensions
TC 229	Nanotechnologies	ISO/IEC CD 11581-7	Information technology — User interface icons — Part 7: Icons for setting interaction mode
ISO/DTS 4988	Nanotechnologies — Toxicity assessment and bioassimilation of manufactured nano-objects in suspension using the unicellular organism <i>Tetrahymena</i> sp.	ISO/IEC CD 30105-8.2	Information technology — IT Enabled Services-Business Process Outsourcing (ITES-BPO) lifecycle processes — Part 8: Continual Performance Improvement (CPI) of ITES-BPO
ISO/DTR 24672	Nanotechnologies — Guidance on the measurement of nanoparticle number concentration	ISO/IEC DTR 24368	Information technology — Artificial intelligence — Overview of ethical and societal concerns
TC 249	Traditional Chinese medicine		
ISO/CD 5227	Traditional Chinese Medicine — Safety controls of cupping device		
ISO/CD 19609-4	Traditional Chinese medicine — Quality and safety of raw materials and finished products made with raw materials — Part 4: Testing of Preservatives and non wanted compounds		
TC 276	Biotechnology		
ISO/DTS 22859	Biotechnology — Biobanking — Requirements for human mesenchymal stromal cells derived from umbilical cord tissue		
ISO/DTS 23494-1	Biotechnology — Provenance information model for biological material and data — Part 1: Design concepts and general requirements		
TC 282	Water reuse		
ISO/CD 24575	Guidelines for cost analysis in planning of decentralized wastewater treatment and/or reuse		
ISO/CD 4789	Guidelines for wastewater treatment and reuse in thermal power plants		

## DIS circulated

Period from 01 July to 01 August 2021

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

They have been submitted to the ISO member bodies for voting by the date shown.

\* Available in English only

		Vote terminates			
PC 316	Water efficient products - Rating		TC 28	Petroleum and related products, fuels and lu- bricants from natural or synthetic sources	
ISO/DIS 31600	Water efficiency labelling pro- grammes – requirements with guidance for implementation	2021-10-05	ISO 8222:2020/ DAmD 1	Petroleum measurement systems — Calibration — Volu- metric measures, proving tanks and field measures (including formulae for properties of liquids and materials) — Amendment 1: Correction of two typographical errors	2021-10-20
TC 8	Ships and marine technology		TC 30	Measurement of fluid flow in closed conduits	
ISO 21070:2017/ DAmD 1	Ships and marine technology — Marine environment protection — Management and handling of shipboard garbage — Amend- ment 1: Updates to classification of garbage	2021-10-08	ISO/DIS 5167-1	Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full — Part 1: General principles and requirements (Revision of ISO 5167-1:2003)	2021-09-30
TC 20	Aircraft and space vehicles		ISO/DIS 5167-2	Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full — Part 2: Orifice plates (Revision of ISO 5167-2:2003)	2021-10-01
ISO/DIS 14222	Space environment (natural and artificial) — Earth upper atmosphere	2021-10-08	ISO/DIS 5167-4	Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full — Part 4: Venturi tubes (Revision of ISO 5167-4:2003)	2021-09-29
ISO/DIS 14302	Space systems — Electromag- netic compatibility requirements	2021-10-19	ISO/DIS 9300	Measurement of gas flow by means of critical flow nozzles	2021-10-11
ISO/DIS 21442	Space systems — Gen- eral requirements for control engineering	2021-09-27		(Revision of ISO 9300:2005)	
ISO/DIS 24330	Space systems — Rendezvous and Proximity Operations (RPO) and On Orbit Servicing (OOS) — Programmatic principles and practices	2021-10-19	TC 34	Food products	
ISO/DIS 26870	Space systems — Launch pad and integration site operational documents	2021-10-01	ISO 21872- 1:2017/DAmD 1	Microbiology of the food chain — Horizontal method for the de- termination of <i>Vibrio</i> spp. — Part 1: Detection of potentially enter- opathogenic <i>Vibrio</i> parahaemo- lyticus, <i>Vibrio cholerae</i> and <i>Vibrio vulnificus</i> — Amendment 1: Performance testing for the media ASPW, TCBS and SNA	2021-10-19
TC 22	Road vehicles		TC 35	Paints and varnishes	
ISO/DIS 14229-7	Road vehicles — Unified diag- nostic services (UDS) — Part 7: UDS on local interconnect network (UDSonLIN) (Revision of ISO 14229-7:2015)	2021-10-11	ISO/DIS 8130-4	Coating powders — Part 4: Cal- culation of lower explosion limit	2021-10-19
TC 23	Tractors and machinery for agriculture and forestry		ISO/DIS 11997-3	(Revision of ISO 8130-4:1992) Paints and varnishes — Deter- mination of resistance to cyclic corrosion conditions — Part 3: Testing of coating systems on materials and components in automotive construction	2021-10-19
ISO/DIS 4444	Agricultural sprayers — Record- ing of Spray Drift Parameters	2021-10-12	ISO/DIS 19403-1	Paints and varnishes — Wettabil- ity — Part 1: Terminology and general principles	2021-10-19
TC 24	Particle characterization including sieving		ISO/DIS 22553-10	(Revision of ISO 19403-1:2017) Paints and varnishes — Electro- deposition coatings — Part 10: Edge protection	2021-10-08
ISO/DIS 20998-2	Measurement and characteri- zation of particles by acoustic methods — Part 2: Guidelines for linear theory (Revision of ISO 20998-2:2013)	2021-10-05	TC 39	Machine tools	
ISO/DIS 26824	Particle characterization of par- ticulate systems — Vocabulary	2021-10-08			
	(Revision of ISO 26824:2013)				

ISO/DIS 19085-4	Woodworking machines — Safety — Part 4: Vertical panel circular sawing machines  (Revision of ISO 19085-4:2018)	2021-09-28	ISO/DIS 22526-4	Plastics — Carbon and environmental footprint of biobased plastics — Part 4: Environmental (total) footprint (Life Cycle Assessment)	2021-10-13
ISO/DIS 19085-8	Woodworking machines — Safety — Part 8: Belt sanding and calibrating machines for straight workpieces (Revision of ISO 19085-8:2017)	2021-09-28	TC 68 ISO/DIS 16609	Financial services Financial services — Requirements for message authentication using symmetric techniques	2021-10-21
TC 41	Pulleys and belts (including veebelts)		TC 70	Internal combustion engines	
ISO/DIS 23586	Conveyor belts — Indentation rolling resistance related to belt width — Requirements, testing	2021-09-28	ISO/DIS 7967-10	Reciprocating internal combustion engines — Vocabulary of components and systems — Part 10: Ignition systems (Revision of ISO 7967-10:2014)	2021-10-20
TC 44	Welding and allied processes		ISO/DIS 7967-12	Reciprocating internal combustion engines — Vocabulary of components and systems — Part 12: Exhaust emission control systems (Revision of ISO 7967-12:2014)	2021-10-21
ISO/DIS 17405	Non-destructive testing — Ultrasonic testing — Technique of testing claddings produced by welding, rolling and explosion (Revision of ISO 17405:2014)	2021-10-14			
TC 45	Rubber and rubber products		TC 76	Transfusion, infusion and injection, and blood processing equipment for medical and pharmaceutical use	
ISO/DIS 1431-1	Rubber, vulcanized or thermoplastic — Resistance to ozone cracking — Part 1: Static and dynamic strain testing (Revision of ISO 1431-1:2012)	2021-10-05	ISO/DIS 24166-1	Snap-on bottles for metering pumps — Part 1: Tubular glass	2021-09-27
ISO/DIS 5794-1	Rubber compounding ingredients — Silica, precipitated, hydrated — Part 1: Non-rubber tests (Revision of ISO 5794-1:2010)	2021-10-01	ISO/DIS 24166-2	Snap-on bottles for metering pumps — Part 2: Moulded glass	2021-09-27
ISO/DIS 4646	Rubber- or plastics-coated fabrics — Low-temperature impact test  (Revision of ISO 4646:1989)	2021-09-28	ISO/DIS 24166-3	Snap-on bottles for metering pumps — Part 3: Plastic	2021-09-27
ISO/DIS 7229	Rubber- or plastics-coated fabrics — Measurement of gas permeability  (Revision of ISO 7229:2015)	2021-09-30	TC 83	Sports and other recreational facilities and equipment	
ISO/DIS 10282	Single-use sterile rubber surgical gloves — Specification  (Revision of ISO 10282:2014)	2021-09-27	ISO/DIS 23537-1	Requirements for sleeping bags — Part 1: Thermal, mass and dimensional requirements for sleeping bags designed for limit temperatures of -20°C and higher (Revision of ISO 23537-1:2016, ISO 23537-1:2016/Amd 1:2018)	2021-09-27
ISO/DIS 22762-6	Elastomeric seismic-protection isolators — Part 6: High-durability and high-performance specifications and test methods	2021-09-28	ISO/DIS 24667	Sports and recreational facilities — Impact surfacing testing device  (Revision of ISO/TS 24667:2020)	2021-10-12
ISO/DIS 23711	Elastomeric seals — Requirements for materials for pipe joint seals used in water and drainage applications — Thermoplastic elastomers (Revision of ISO 23711:2003)	2021-09-23	TC 85	Nuclear energy, nuclear technologies, and radiological protection	
TC 61	Plastics		ISO/DIS 21243	Radiation protection — Performance criteria for laboratories performing initial cytogenetic dose assessment of mass casualties in radiological or nuclear emergencies — General principles and application to dicentric assay (Revision of ISO 21243:2008)	2021-10-21
ISO/DIS 16396-1	Plastics — Polyamide (PA) moulding and extrusion materials — Part 1: Designation system and basis for specifications (Revision of ISO 16396-1:2015)	2021-10-13			
ISO/DIS 7765-2	Plastics film and sheeting — Determination of impact resistance by the free-falling dart method — Part 2: Instrumented puncture test (Revision of ISO 7765-2:1994)	2021-10-13	TC 92	Fire safety	

ISO/DIS 3182	Light Measuring System for Smoke Emission Testing	2021-09-30	ISO/DIS 24199	Vapour products — Determination of nicotine in vapour product emissions — Gas chromatographic method	2021-09-27
ISO/DIS 12863	Standard test method for assessing the ignition propensity of cigarettes	2021-10-15	TC 130	Graphic technology	
	(Revision of ISO 12863:2010, ISO 12863:2010/Cor 1:2011, ISO 12863:2010/Amd 1:2016)		ISO/DIS 12643-5	Graphic technology — Safety requirements for graphic technology equipment and systems — Part 5: Manually-fed stand-alone platen presses (Revision of ISO 12643-5:2010)	2021-10-01
TC 93	Starch (including derivatives and by-products)		TC 142	Cleaning equipment for air and other gases	
ISO/DIS 24683	High fructose syrup- Specifications and test methods	2021-10-19	ISO/DIS 29461-7	Air intake filter systems for rotary machinery — Test methods — Part 7: Filter element endurance test in fog and mist environments	2021-10-12
TC 98	Bases for design of structures		TC 150	Implants for surgery	
ISO/DIS 23618	Bases for design of structures — General principles on seismically isolated structures	2021-10-14	ISO/DIS 21535	Non-active surgical implants — Joint replacement implants — Specific requirements for hip-joint replacement implants (Revision of ISO 21535:2007, ISO 21535:2007/Amd 1:2016)	2021-10-14
TC 102	Iron ore and direct reduced iron		ISO/DIS 21536	Non-active surgical implants — Joint replacement implants — Specific requirements for knee-joint replacement implants (Revision of ISO 21536:2007, ISO 21536:2007/Amd 1:2014)	2021-10-14
ISO/DIS 11257	Iron ores for shaft direct-reduction feedstocks — Determination of the low-temperature reduction-disintegration index and degree of metallization (Revision of ISO 11257:2015)	2021-10-05	TC 154	Processes, data elements and documents in commerce, industry and administration	
TC 106	Dentistry		ISO 8601-1:2019/DAmend 1	Date and time — Representations for information interchange — Part 1: Basic rules — Amendment 1	2021-10-19
ISO/DIS 22674	Dentistry — Metallic materials for fixed and removable restorations and appliances (Revision of ISO 22674:2016)	2021-10-04	TC 165	Timber structures	
TC 107	Metallic and other inorganic coatings		ISO/DIS 23478	Bamboo structures – Engineered bamboo products – Test methods for determination of physical and mechanical properties	2021-09-23
ISO/DIS 5154	Decorative metallic coatings for radio wave transmissive application products — Designation and characterization method	2021-10-08	TC 172	Optics and photonics	
TC 108	Mechanical vibration, shock and condition monitoring		ISO/DIS 17123-6	Optics and optical instruments — Field procedures for testing geodetic and surveying instruments — Part 6: Rotating lasers (Revision of ISO 17123-6:2012)	2021-10-20
ISO/DIS 22266-1	Mechanical vibration — Torsional vibration of rotating machinery — Part 1: Evaluation of steam and gas turbine generator sets due to electrical excitation (Revision of ISO 22266-1:2009)	2021-09-30	TC 184	Automation systems and integration	
TC 117	Fans		ISO/DIS 23704-1	General requirements for cyber-physically controlled smart machine tool systems (CPSMT) — Part 1: Overview and fundamental principles	2021-10-12
ISO/DIS 13349	Fans — Vocabulary and definitions of categories (Revision of ISO 13349:2010)	2021-10-08	ISO/DIS 23704-2	General requirements for cyber-physically controlled smart machine tool systems (CPSMT) — Part 2: Reference architecture of CPSMT for subtractive manufacturing	2021-10-12
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Period from 01 July to 01 August 2021				
These Final draft International Standards have been submitted to the ISO member bodies for formal approval by the date shown				
* Available in English only				
			Vote terminates	
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ISO/IEC FDIS 15444-2	Information technology — JPEG 2000 image coding system — Part 2: Extensions  (Revision of ISO/IEC 15444-2:2004/Amd 2:2006, ISO/IEC 15444-2:2004/Amd 3:2015, ISO/IEC 15444-2:2004/Amd 4:2015, ISO/IEC 15444-2:2004)	2021-09-16
ISO/IEC FDIS 18181-2	Information technology — JPEG XL image coding system — Part 2: File format	2021-08-26
ISO/IEC 23001-14:2019/PRF Amd 1	Information technology — MPEG systems technologies — Part 14: Partial file format — Amendment 1: Support for HTTP entities, enhanced file type and byte-range priorities	
ISO/IEC PRF 23091-2	Information technology — Coding-independent code points — Part 2: Video (Revision of ISO/IEC 23091-2:2019)	
ISO/IEC FDIS 18000-63	Information technology — Radio frequency identification for item management — Part 63: Parameters for air interface communications at 860 MHz to 960 MHz Type C (Revision of ISO/IEC 18000-63:2015)	2021-09-21
ISO/IEC PRF 19763-16	Information technology — Metamodel framework for interoperability (MFI) — Part 16: Metamodel for document model registration	
ISO/IEC FDIS 22237-1	Information technology — Data centre facilities and infrastructures — Part 1: General concepts (Revision of ISO/IEC TS 22237-1:2018)	2021-08-30
ISO/IEC FDIS 22237-3	Information technology — Data centre facilities and infrastructures — Part 3: Power distribution (Revision of ISO/IEC TS 22237-3:2018)	2021-08-30
ISO/IEC FDIS 22237-4	Information technology — Data centre facilities and infrastructures — Part 4: Environmental control (Revision of ISO/IEC TS 22237-4:2018)	2021-09-24

## Standards published

New International Standards published between 01 July and 01 August 2021

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

<sup>2</sup> corrected version

<sup>3</sup> multilingual document

				Price group
TC 1	Screw threads			
ISO 965-2:1998/Amd 1:2021	en ISO general purpose metric screw threads — Tolerances — Part 2: Limits of sizes for general purpose external and internal screw threads — Medium quality — Amendment 1	fr		XZ
ISO 965-3:2021	en ISO general purpose metric screw threads — Tolerances — Part 3: Limit deviations for screw threads	fr		D
ISO 965-4:2021	en ISO general purpose metric screw threads — Tolerances — Part 4: Limits of sizes for hot-dip galvanized external screw threads to mate with internal screw threads tapped with tolerance position H or G after galvanizing	fr		A
ISO 965-5:1998/Amd 1:2021	en ISO general purpose metric screw threads — Tolerances — Part 5: Limits of sizes for internal screw threads to mate with hot-dip galvanized external screw threads with maximum size of tolerance position h before galvanizing — Amendment 1	fr		XZ
TC 8	Ships and marine technology			
ISO 23152:2021	en Ships and marine technology — Ballast water management systems (BWMS) — Computational physical modelling and calculations on scaling of UV reactors			C
ISO 24060:2021	en Ships and marine technology — Ship software logging system for operational technology			B
ISO 23731:2021	en Marine technology — Marine environment impact assessment (MEIA) — Performance specification for in situ image-based surveys in deep seafloor environments			B
ISO 23732:2021	en Marine technology — Marine environment impact assessment (MEIA) — General protocol for observation of meiofaunal community			C
ISO 23734:2021	en Marine technology — Marine environment impact assessment (MEIA) — On-board bioassay to monitor seawater quality using delayed fluorescence of microalga			C
TC 17	Steel			



ISO 15349-2:2021	en fr	Unalloyed steel — Determination of low carbon content — Part 2: Infrared absorption method after combustion in an induction furnace (with preheating)	C	ISO 12934:2021	en	Tractors and machinery for agriculture and forestry — Basic types — Vocabulary	A
ISO 4954:2021	en	Steels for cold heading and cold extruding	G	ISO 4254-1:2013/Amd 1:2021	en fr	Agricultural machinery — Safety — Part 1: General requirements — Amendment 1	XZ
ISO 14737:2021	en	Carbon and low alloy cast steels for general applications	B	ISO 10448:2021	en	Agricultural tractors — Hydraulic pressure for implements	A
TC 20		Aircraft and space vehicles		ISO 8210:2021	en fr	Equipment for harvesting — Combine harvesters — Test procedure and performance assessment	D
ISO 23886:2021	en fr	Aerospace — Collar, threaded, self-locking — Test method for torque and preload	A	TC 28		Petroleum and related products, fuels and lubricants from natural or synthetic sources	
ISO 23887:2021	en fr	Aerospace — Blind fasteners, threaded type, self-locking — Test method for locking torque	A	ISO 11007-1:2021	en fr	Petroleum products and lubricants — Determination of rust-prevention characteristics of lubricating greases — Part 1: Dynamic wet conditions	B
ISO 24568:2021	en	Aerospace — Metric series pipe coupling 8°30' up to 28 000 kPa dynamic beam seal — Technical specification	D	ISO/TS 11007-2:2021	en	Petroleum products and lubricants — Determination of rust-prevention characteristics of lubricating greases — Part 2: Method with water wash-out	B
ISO 15864:2021	en	Space systems — General test methods for spacecraft, subsystems and units	E	ISO 22854:2021	en fr	Liquid petroleum products — Determination of hydrocarbon types and oxygenates in automotive-motor gasoline and in ethanol (E85) automotive fuel — Multidimensional gas chromatography method	D
ISO/TS 22591:2021	en	Space systems — Space-based services for a high accuracy positioning system with safety requirements	D	ISO 12925-3:2021	en fr	Lubricants, industrial oils and related products (Class L) — Family C (gears) — Part 3: Specifications for greases for enclosed and open gear systems	B
ISO/TR 22639:2021	en	Space systems — Design guidelines for multi-geo spacecraft collocation	D	TC 31		Tyres, rims and valves	
TC 21		Equipment for fire protection and fire fighting		ISO 3739-2:2021	en	Industrial tyres and rims — Part 2: Pneumatic tyres (metric series) on 5 degrees tapered or flat base rims — Load ratings	A
ISO/TR 23107:2021	en	Criteria for assessment of new extinguishants for inclusion in the ISO 14520 series	A	TC 34		Food products	
TC 22		Road vehicles		ISO/TR 29263:2021	en fr	Cereals and cereal products — Sampling studies	H
ISO 15765-4:2021	en	Road vehicles — Diagnostic communication over Controller Area Network (DoCAN) — Part 4: Requirements for emissions-related systems	D	ISO 4134:2021	en	Meat and meat products — Determination of L-(+)-glutamic acid content — Reference method	C
ISO 22733-1:2021	en	Road vehicles — Test method to evaluate the performance of autonomous emergency braking systems — Part 1: Car-to-car	C	ISO 23776:2021	en	Meat and meat products — Determination of total phosphorous content	C
ISO 16505:2019/Amd 1:2021	en	Road vehicles — Ergonomic and performance aspects of Camera Monitor Systems — Requirements and test procedures — Amendment 1: ORP, FeV, MTF10MIN(1:1)/hor, MTF10MIN(1:1)/ver	XZ	ISO/TS 21569-2:2021	en	Molecular biomarker analysis — Methods of analysis for the detection of genetically modified organisms and derived products — Part 2: Construct-specific real-time PCR method for detection of event FP967 in linseed and linseed products	B
ISO/TS 21002:2021	en	Road vehicles — Multidimensional measurement and coordinate systems definition	G	TC 37		Language and terminology	
ISO/TS 23521:2021	en	Road vehicles — Calibration procedure for displacement devices	A	ISO 20539:2019	fr	Translation, interpreting and related technology — Vocabulary	A
TC 23		Tractors and machinery for agriculture and forestry		TC 38		Textiles	

ISO 24281:2021	en	Textiles — Biaxial tensile properties of woven fabric — Determination of maximum force and elongation at maximum force using the grab method	B	ISO 5116-1:2021	en	Improving transparency in financial and business reporting — Harmonization topics — Part 1: European data point methodology for supervisory reporting	C
TC 41		Pulleys and belts (including veebelts)		ISO 5116-2:2021	en	Improving transparency in financial and business reporting — Harmonization topics — Part 2: Guidelines for data point modelling	F
ISO 5287:2021	en fr	Belt drives — V-belts for the automotive industry — Fatigue test	B	ISO 5116-3:2021	en	Improving transparency in financial and business reporting — Harmonization topics — Part 3: Mapping between DPM and MDM	G
TC 43		Acoustics		TC 83		Sports and other recreational facilities and equipment	
ISO 17201-6:2021	en	Acoustics — Noise from shooting ranges — Part 6: Sound pressure measurements close to the source for determining exposure to sound	D	ISO 23223:2021	en fr	Alpine ski boots with improved walking soles — Interface with alpine ski-bindings – Requirements and test methods	F
ISO 10052:2021	en fr	Acoustics — Field measurements of airborne and impact sound insulation and of service equipment sound — Survey method	E	TC 85		Nuclear energy, nuclear technologies, and radiological protection	
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ISO 6505:2021	en fr	Rubber, vulcanized or thermoplastic — Determination of tendency to adhere to and corrode metals	B	TC 87		Cork	
ISO 9026:2021	en fr	Raw rubber or unvulcanized compounds — Determination of green strength	B	ISO 10106:2021	fr	Cork stoppers — Determination of global migration	A
ISO/TS 16095:2021	en	Reclaimed rubber derived from products containing mainly natural rubber — Evaluation procedure	B	TC 92		Fire safety	
ISO/TS 16096:2021	en	Reclaimed isobutene-isoprene (IIR) rubber — Evaluation procedure	B	ISO 21524:2021	en	Fire resistance tests — Elements of building construction — Requirements for active fire curtains	H
ISO 3011:2021	en	Rubber- or plastics-coated fabrics — Determination of resistance to ozone cracking under static conditions	A	ISO 22899-1:2021	en	Determination of the resistance to jet fires of passive fire protection materials — Part 1: General requirements	F
TC 59		Buildings and civil engineering works		TC 106		Dentistry	
ISO 23869:2021	en	Building and civil engineering sealants — Determination of self-levelling properties	A	ISO 10873:2021	en	Dentistry — Denture adhesives	C
ISO 10845-3:2021	en	Construction procurement — Part 3: Standard conditions of tender	G	TC 108		Mechanical vibration, shock and condition monitoring	
ISO 10845-4:2021	en	Construction procurement — Part 4: Standard conditions for the calling for expressions of interest	D	ISO 13091-1:2001/Amd 2:2021	en	Mechanical vibration — Vibrotactile perception thresholds for the assessment of nerve dysfunction — Part 1: Methods of measurement at the fingertips — Amendment 2	XZ
TC 61		Plastics		TC 110		Industrial trucks	
ISO 1043-4:2021	en fr	Plastics — Symbols and abbreviated terms — Part 4: Flame retardants	A	ISO 3691-6:2021	en fr	Industrial trucks — Safety requirements and verification — Part 6: Burden and personnel carriers	D
ISO 23517:2021	en	Plastics — Soil biodegradable materials for mulch films for use in agriculture and horticulture — Requirements and test methods regarding biodegradation, ecotoxicity and control of constituents	D	TC 121		Anaesthetic and respiratory equipment	
TC 68		Financial services		ISO 80601-2-74:2021	en fr	Medical electrical equipment — Part 2-74: Particular requirements for basic safety and essential performance of respiratory humidifying equipment	H
				TC 123		Plain bearings	

ISO 14287:2021	en	Plain bearings — Pad materials for tilting pad bearings	B	ISO 1143:2021	en	Metallic materials — Rotating bar bending fatigue testing	D
TC 126		Tobacco and tobacco products		ISO 12135:2021	en	Metallic materials — Unified method of test for the determination of quasi-static fracture toughness	H
ISO 16055:2021	en	Tobacco and tobacco products — Monitor test piece for smoking machine — Requirements and use	B	TC 172		Optics and photonics	
TC 127		Earth-moving machinery		ISO 11146-1:2021	en fr	Lasers and laser-related equipment — Test methods for laser beam widths, divergence angles and beam propagation ratios — Part 1: Stigmatic and simple astigmatic beams	C
ISO/TS 21815-2:2021	en	Earth-moving machinery — Collision warning and avoidance — Part 2: On-board J1939 communication interface	H	ISO 11146-2:2021	en fr	Lasers and laser-related equipment — Test methods for laser beam widths, divergence angles and beam propagation ratios — Part 2: General astigmatic beams	C
TC 131		Fluid power systems		TC 173		Assistive products	
ISO 6195:2021	en fr	Fluid power systems and components — Cylinder-rod wiper-ring housings in reciprocating applications — Dimensions and tolerances	C	ISO 11199-2:2021	en fr	Assistive products for walking manipulated by both arms — Requirements and test methods — Part 2: Rollators	E
TC 133		Clothing sizing systems - size designation, size measurement methods and digital fittings		ISO 22748:2021	en fr	Absorbent incontinence products for urine and/or faeces — Product type names and illustrations	B
ISO 20947-1:2021	en	Performance evaluation protocol for digital fitting systems — Part 1: Accuracy of virtual human body representation	F	TC 176		Quality management and quality assurance	
TC 134		Fertilizers, soil conditioners and beneficial substances		ISO 10013:2021	es	Quality management systems — Guidance for documented information	C
ISO 22018:2021	en	Fertilizers, soil conditioners and beneficial substances — Determination of EDTA soluble phosphorus content in inorganic fertilizers	C	ISO 10017:2021	en fr	Quality management — Guidance on statistical techniques for ISO 9001:2015	E
TC 136		Furniture		TC 183		Copper, lead, zinc and nickel ores and concentrates	
ISO 23767:2021	en	Children's furniture — Mattresses for cots and cribs — Safety requirements and test methods	D	ISO 13546:2021	en	Copper concentrates — Determination of mercury content — Cold vapour atomic absorption spectrometric method	B
TC 138		Plastics pipes, fittings and valves for the transport of fluids		TC 184		Automation systems and integration	
ISO 19220:2021	en	Plastics piping systems for soil and waste discharge (low and high temperature) inside buildings — Styrene copolymer blends (SAN + PVC)	E	ISO/TS 10303-15:2021	en	Industrial automation systems and integration — Product data representation and exchange — Part 15: Description methods: SysML XML to XSD transformation	G
TC 145		Graphical symbols		ISO/TS 10303-16:2021	en	Industrial automation systems and integration — Product data representation and exchange — Part 16: Description methods: SysML XML to EXPRESS transformation	E
ISO 7010:2019/ Amd 3:2021	en	Graphical symbols — Safety colours and safety signs — Registered safety signs — Amendment 3	XZ	TC 188		Small craft	
TC 147		Water quality		ISO 11592-2:2021	en fr	Small craft — Determination of maximum propulsion power rating using manoeuvring speed — Part 2: Craft with a length of hull between 8 m and 24 m	B
ISO 22104:2021	en	Water quality — Determination of microcystins — Method using liquid chromatography and tandem mass spectrometry (LC-MS/MS)	E	TC 190		Soil quality	
ISO 13160:2021	en fr	Water quality — Strontium 90 and strontium 89 — Test methods using liquid scintillation counting or proportional counting	F	ISO/TS 29843-2:2021	en fr	Soil quality — Determination of soil microbial diversity — Part 2: Method by phospholipid fatty acid analysis (PLFA) using the simple PLFA extraction method	B
ISO 13163:2021	en fr	Water quality — Lead-210 — Test method using liquid scintillation counting	D	TC 194		Biological and clinical evaluation of medical devices	
TC 164		Mechanical testing of metals					
ISO 16842:2021	en	Metallic materials — Sheet and strip — Biaxial tensile testing method using a cruciform test piece	D				

ISO/TR 21582:2021	en	Pyrogenicity — Principles and methods for pyrogen testing of medical devices	C	ISO/TS 14092:2020	es	Adaptation to climate change — Requirements and guidance on adaptation planning for local governments and communities	F
TC 195		Building construction machinery and equipment		TC 210		Quality management and corresponding general aspects for medical devices	
ISO 15878:2021	en fr	Road construction and maintenance equipment — Paver-finishers — Commercial specifications	E	ISO 15223-1:2021	en fr	Medical devices — Symbols to be used with information to be supplied by the manufacturer — Part 1: General requirements	F
TC 198		Sterilization of health care products		TC 211		Geographic information/ Geomatics	
ISO 11138-8:2021	en	Sterilization of health care products — Biological indicators — Part 8: Method for validation of a reduced incubation time for a biological indicator	B	ISO 19168-1:2020	fr	Geographic information — Geospatial API for features — Part 1: Core	G
ISO 15883-5:2021	en fr	Washer-disinfectors — Part 5: Performance requirements and test method criteria for demonstrating cleaning efficacy	G	TC 212		Clinical laboratory testing and in vitro diagnostic test systems	
ISO 17664-1:2021	en fr	Processing of health care products — Information to be provided by the medical device manufacturer for the processing of medical devices — Part 1: Critical and semi-critical medical devices	D	ISO 20166-4:2021	en fr	Molecular in vitro diagnostic examinations — Specifications for preexamination processes for formalin-fixed and paraffin-embedded (FFPE) tissue — Part 4: In situ detection techniques	D
TC 204		Intelligent transport systems		ISO 23162:2021	en fr	Basic semen examination — Specification and test methods	E
ISO 22085-2:2021	en	Intelligent transport systems (ITS) — Nomadic device service platform for micro mobility — Part 2: Functional requirements and dataset definitions	D	TC 215		Health informatics	
ISO 22737:2021	en	Intelligent transport systems — Low-speed automated driving (LSAD) systems for predefined routes — Performance requirements, system requirements and performance test procedures	F	ISO 23903:2021	en	Health informatics — Interoperability and integration reference architecture — Model and framework	D
TC 206		Fine ceramics		ISO/TS 82304-2:2021	en	Health software — Part 2: Health and wellness apps—Quality and reliability	G
ISO 22197-4:2021	en fr	Fine ceramics (advanced ceramics, advanced technical ceramics) — Test method for air-purification performance of semiconducting photocatalytic materials — Part 4: Removal of formaldehyde	B	ISO 21393:2021	en fr	Genomics informatics — Omics Markup Language (OML)	F
ISO 22197-5:2021	en fr	Fine ceramics (advanced ceramics, advanced technical ceramics) — Test method for air-purification performance of semiconducting photocatalytic materials — Part 5: Removal of methyl mercaptan	B	TC 228		Tourism and related services	
ISO 23331:2021	en	Fine ceramics (advanced ceramics, advanced technical ceramics) — Test method for total electrical conductivity of conductive fine ceramics	B	ISO 21902:2021	en	Tourism and related services — Accessible tourism for all — Requirements and recommendations	H
TC 207		Environmental management		TC 229		Nanotechnologies	
ISO 14021:2016/ Amd 1:2021	en fr	Environmental labels and declarations — Self-declared environmental claims (Type II environmental labelling) — Amendment 1: Carbon footprint, carbon neutral	XZ	ISO 19749:2021	en fr	Nanotechnologies — Measurements of particle size and shape distributions by scanning electron microscopy	G
ISO 14044:2006/ Amd 2:2020	es	Environmental management — Life cycle assessment — Requirements and guidelines — Amendment 2	XZ	ISO/TR 22293:2021	en	Evaluation of methods for assessing the release of nanomaterials from commercial, nanomaterial-containing polymer composites	G
ISO 14065:2020	es	General principles and requirements for bodies validating and verifying environmental information	E	TC 238		Solid biofuels	
				ISO 17225-5:2021	en fr	Solid biofuels — Fuel specifications and classes — Part 5: Graded firewood	B
				ISO 17225-6:2021	en fr	Solid biofuels — Fuel specifications and classes — Part 6: Graded non-woody pellets	B
				ISO 17225-7:2021	en fr	Solid biofuels — Fuel specifications and classes — Part 7: Graded non-woody briquettes	B

ISO 17225-9:2021	en fr	Solid biofuels — Fuel specifications and classes — Part 9: Graded hog fuel and wood chips for industrial use	B	ISO/IEC 11160-2:2021	en	Office equipment — Minimum information to be included in specification sheets — Part 2: Class 3 and Class 4 printers	D
TC 249 ISO 23962:2021	en	Traditional Chinese medicine — Processed <i>Aconitum carmichaelii</i> lateral root	C	ISO/IEC 23008-2:2020/ Amd 1:2021	en	Information technology — High efficiency coding and media delivery in heterogeneous environments — Part 2: High efficiency video coding — Amendment 1: Shutter interval information SEI message	XZ
TC 256 ISO 23157:2021	en	Pigments, dyestuffs and extenders Determination of the silanol group content on the surface of fumed silica — Reaction gas chromatographic method	B	ISO/IEC 23090-2:2021	en	Information technology — Coded representation of immersive media — Part 2: Omnidirectional media format	H
TC 268 ISO 37167:2021	en	Sustainable cities and communities Smart community infrastructures — Smart transportation for energy saving operation by intentionally driving slowly	B	ISO/IEC 30165:2021	en	Internet of Things (IoT) — Real-time IoT framework	E
TC 275 ISO/TR 20736:2021	en	Sludge recovery, recycling, treatment and disposal Sludge recovery, recycling, treatment and disposal — Guidance on thermal treatment of sludge	H				
TC 281 ISO 21256-3:2021	en	Fine bubble technology Fine bubble technology — Cleaning applications — Part 3: Test method for cleaning hard flooring surfaces	B				
TC 283 ISO 45003:2021	es	Occupational health and safety management Occupational health and safety management — Psychological health and safety at work — Guidelines for managing psychosocial risks	D				
ISO/PAS 45005:2020	es	Occupational health and safety management — General guidelines for safe working during the COVID-19 pandemic	F				
TC 300 ISO/TR 21916:2021	en	Solid recovered materials, including solid recovered fuels Solid recovered fuels — Guidance for the specification of solid recovered fuels (SRF) for selected uses	H				
TC 309 ISO 37002:2021	en fr	Governance of organizations Whistleblowing management systems — Guidelines	E				
JTC 1 ISO/IEC 20919:2021	en	Information technology Information technology — Linear tape file system (LTFS) Format specification	H				
ISO/IEC TR 29119-6:2021	en	Software and systems engineering — Software testing — Part 6: Guidelines for the use of ISO/IEC/IEEE 29119 (all parts) in agile projects	F				
ISO/IEC 11770-7:2021	en	Information security — Key management — Part 7: Cross-domain password-based authenticated key exchange	D				

## Standards confirmed

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

TC 5	Ferrous metal pipes and metallic fittings
ISO 3545-1:1989	(reconfirmed)
ISO 3545-2:1989	(reconfirmed)
TC 6	Paper, board and pulps
ISO 302:2015	
ISO 692:1982	(reconfirmed)
ISO 801-1:1994	(reconfirmed)
ISO 801-2:1994	(reconfirmed)
ISO 801-3:1994	(reconfirmed)
ISO 838:1974	(reconfirmed)
ISO 4046-1:2016	
ISO 4046-2:2016	
ISO 4046-3:2016	
ISO 5267-1:1999	(reconfirmed)
ISO 5351:2010	(reconfirmed)
ISO 11093-5:2016	
ISO 13542:2006	(reconfirmed)
ISO 14436:2010	(reconfirmed)
ISO 15318:1999	(reconfirmed)
ISO 15360-2:2015	
TC 10	Technical product documentation
IEC 82045-1:2001	(reconfirmed)
TC 17	Steel
ISO 17577:2016	
TC 20	Aircraft and space vehicles
ISO 17761:2015	
ISO 18238:2015	
ISO 23461:2010	(reconfirmed)
TC 23	Tractors and machinery for agriculture and forestry

ISO 22401:2015		ISO 8394-1:2010	(reconfirmed)
ISO 22522:2007	(reconfirmed)	ISO 19861:2015	
TC 27	Coal and coke	ISO 19862:2015	
ISO 8858-2:2004	(reconfirmed)	ISO 19863:2016	
ISO 8858-3:2004	(reconfirmed)	TC 61	Plastics
ISO 20905:2004	(reconfirmed)	ISO 1158:1998	(reconfirmed)
ISO 625:1996	(reconfirmed)	ISO 4576:1996	(reconfirmed)
ISO 687:2010	(reconfirmed)	ISO 19712-1:2008	(reconfirmed)
ISO 1171:2010	(reconfirmed)	TC 67	Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries
ISO 7404-1:2016		ISO 13500:2008	(reconfirmed)
ISO 17246:2010	(reconfirmed)	TC 70	Internal combustion engines
ISO 29541:2010	(reconfirmed)	ISO 11614:1999	(reconfirmed)
TC 28	Petroleum and related products, fuels and lubricants from natural or synthetic sources	TC 71	Concrete, reinforced concrete and pre-stressed concrete
ISO 3675:1998	(reconfirmed)	ISO 1920-10:2010	(reconfirmed)
ISO 3733:1999	(reconfirmed)	TC 85	Nuclear energy, nuclear technologies, and radiological protection
ISO 4124:1994	(reconfirmed)	ISO 26802:2010	(reconfirmed)
ISO 4257:2001	(reconfirmed)	TC 92	Fire safety
ISO 4268:2000	(reconfirmed)	ISO 9239-1:2010	(reconfirmed)
ISO 4512:2000	(reconfirmed)	TC 93	Starch (including derivatives and by-products)
ISO 6296:2000	(reconfirmed)	ISO 1742:1980	(reconfirmed)
ISO 6551:1982	(reconfirmed)	TC 102	Iron ore and direct reduced iron
ISO 7278-1:1987	(reconfirmed)	ISO 2599:2003	(reconfirmed)
ISO 7278-3:1998	(reconfirmed)	ISO 6830:1986	(reconfirmed)
ISO 7507-3:2006	(reconfirmed)	ISO 7335:1987	(reconfirmed)
ISO 7507-4:2010	(reconfirmed)	ISO 9517:2007	(reconfirmed)
ISO 17196:2014		ISO 9685:1991	(reconfirmed)
ISO 17197:2014		TC 106	Dentistry
TC 34	Food products	ISO 15912:2016	
ISO 1871:2009	(reconfirmed)	TC 107	Metallic and other inorganic coatings
ISO 26642:2010	(reconfirmed)	ISO 17668:2016	
ISO 6885:2016		ISO 4524-2:2000	(reconfirmed)
ISO 6886:2016		ISO 4536:1985	(reconfirmed)
ISO 9936:2016		ISO 4538:1978	(reconfirmed)
ISO 12873:2010	(reconfirmed)	ISO 4539:1980	(reconfirmed)
ISO 15753:2016		ISO 4541:1978	(reconfirmed)
ISO/TS 17383:2014	(reconfirmed)	ISO 4543:1981	(reconfirmed)
TC 38	Textiles	ISO 10289:1999	(reconfirmed)
ISO 17881-1:2016		ISO 10308:2006	(reconfirmed)
ISO 17881-2:2016		ISO 10309:1994	(reconfirmed)
TC 43	Acoustics	ISO 12687:1996	(reconfirmed)
ISO 389-3:2016		ISO 14647:2000	(reconfirmed)
ISO 6926:2016		ISO 15720:2001	(reconfirmed)
TC 45	Rubber and rubber products	ISO 15721:2001	(reconfirmed)
ISO 2028:2015	(reconfirmed)	ISO 18332:2007	(reconfirmed)
TC 47	Chemistry	TC 113	Hydrometry
ISO 78-2:1999	(reconfirmed)	ISO 2425:2010	(reconfirmed)
ISO 759:1981	(reconfirmed)	ISO 4374:1990	(reconfirmed)
ISO 760:1978	(reconfirmed)	TC 120	Leather
ISO 2211:1973	(reconfirmed)	ISO 16131:2012	(reconfirmed)
ISO 6227:1982	(reconfirmed)	TC 121	Anaesthetic and respiratory equipment
TC 48	Laboratory equipment	ISO 5360:2016	
ISO 387:1977	(reconfirmed)		
TC 59	Buildings and civil engineering works		

ISO 18835:2015	
TC 134	Fertilizers, soil conditioners and beneficial substances
ISO 18643:2016	
ISO 18645:2016	
TC 171	Document management applications
ISO 10244:2010	(reconfirmed)
TC 173	Assistive products
ISO 12505-1:2014	
ISO 17191:2004	(reconfirmed)
TC 188	Small craft
ISO 11592-1:2016	
ISO 16315:2016	
TC 189	Ceramic tile
ISO 13007-5:2015	
TC 190	Soil quality
ISO 16072:2002	(reconfirmed)
ISO 17601:2016	
ISO 18311:2016	
TC 193	Natural gas
ISO 15403-1:2006	(reconfirmed)
ISO 12213-3:2006	(reconfirmed)
ISO 23874:2006	(reconfirmed)
TC 198	Sterilization of health care products
ISO 11140-3:2007	(reconfirmed)
ISO 11140-4:2007	(reconfirmed)
ISO 11140-5:2007	(reconfirmed)
ISO 13408-3:2006	(reconfirmed)
TC 211	Geographic information/Geomatics
ISO 19119:2016	
ISO/TS 19159-1:2014	(reconfirmed)
TC 215	Health informatics
ISO/HL7 10781:2015	
ISO 14199:2015	
ISO 17090-2:2015	
ISO/TS 17948:2014	(reconfirmed)
ISO/TS 19256:2016	
ISO/TS 20443:2017	
ISO/TS 20451:2017	
TC 218	Timber
ISO 8903:2016	
TC 219	Floor coverings
ISO 4918:2016	
ISO 24346:2006	(reconfirmed)
TC 226	Materials for the production of primary aluminium
ISO 23202:2006	(reconfirmed)
JTC 1	Information technology
ISO/IEC 17839-2:2015	
ISO/IEC 16509:1999	(reconfirmed)

ISO/IEC 15444-10:2011	(reconfirmed)
ISO/IEC 15416:2016	
ISO/IEC 15418:2016	
ISO/IEC 15944-1:2011	
ISO/IEC 29109-2:2010	(reconfirmed)
ISO/IEC 29109-4:2010	(reconfirmed)
ISO/IEC 29159-1:2010	(reconfirmed)
ISO/IEC 29794-6:2015	

## Standards withdrawn

Period from 01 July to 01 August 2021

TC 14	Shafts for machinery and accessories
ISO 496:1973	(replaced by )
ISO 3117:1977	(replaced by )
ISO 3912:1977	(replaced by )
TC 23	Tractors and machinery for agriculture and forestry
ISO 6689-2:1997	(replaced by ISO 8210:2021)
TC 28	Petroleum and related products, fuels and lubricants from natural or synthetic sources
ISO 11007:1997	(replaced by ISO 11007-1:2021, ISO/TS 11007-2:2021)
TC 34	Food products
ISO 2294:1974	(replaced by ISO 23776:2021)
ISO 13730:1996	(replaced by ISO 23776:2021)
TC 39	Machine tools
ISO 7983:1988	(replaced by )
ISO 9266:1988	(replaced by )
TC 96	Cranes
ISO 9373:1989	(replaced by )
TC 176	Quality management and quality assurance
ISO/TR 10017:2003	(replaced by ISO 10017:2021)
TC 198	Sterilization of health care products
ISO/TS 15883-5:2005	(replaced by ISO 15883-5:2021)
ISO 17664:2017	(replaced by ISO 17664-1:2021)
TC 215	Health informatics
ISO/TS 25238:2007	(replaced by )
ISO/TR 27809:2007	(replaced by )
TC 238	Solid biofuels

ISO/TS 17225-9:2020	(replaced by ISO 17225-9:2021)
TMBG	Technical Management Board - groups
IWA 17:2014	(replaced by )
JTC 1	Information technology
ISO/IEC TS 13249-7:2013	(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>