

# ISO Update

Supplement to ISOfocus

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May 2019

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# International Standards in process

An International Standard is the result of an agreement between the member bodies of ISO. A first important step towards an International Standard takes the form of a committee draft (CD) - this is circulated for study within an ISO technical committee. When consensus has been reached within the technical committee, the document is sent to the Central Secretariat for processing as a draft International Standard (DIS). The DIS requires approval by at least 75 % of the member bodies casting a vote. A confirmation vote is subsequently carried out on a final draft International Standard (FDIS), the approval criteria remaining the same.

## CD registered

Period from 01 April to 30 April 2019

These documents are currently under consideration in the technical committee.

They have been registered at the Central Secretariat.

TC 5	Ferrous metal pipes and metallic fittings
ISO/DIS 8180	Ductile iron pipelines — Polyethylene sleeving for site application
TC 6	Paper, board and pulps
ISO/CD 21436	Pulps — Determination of lignin content — Acid hydrolysis method
ISO/CD 21437	Pulps -Determination of carbohydrate composition
TC 8	Ships and marine technology
ISO/CD 23212	Ships and marine technology — Flange connection for fuel and lubrication oil bunkering — Basic dimensions and technical requirements
TC 21	Equipment for fire protection and fire fighting
ISO/CD 7203-4	Fire extinguishing media — Foam concentrates — Part 4: Specification for Class A foam concentrates for application on Class A fires
TC 22	Road vehicles
ISO/CD 15765-4	Road vehicles — Diagnostic communication over Controller Area Network (DoCAN) — Part 4: Requirements for emissions-related systems
ISO/CD 13216-4	Road vehicles — Anchorages in vehicles and attachments to anchorages for child restraint systems — Part 4: Lower tether anchorages
ISO/CD 21498-1	Electrically propelled road vehicles — Electrical specifications and tests for voltage class B systems and components — Part 1: Voltage sub-classes and characteristics
ISO/CD 21498-2	Electrically propelled road vehicles — Electrical specifications and tests for voltage class B systems and components — Part 2: Electrical tests for components
TC 23	Tractors and machinery for agriculture and forestry

ISO/CD 22172-2	Agricultural machinery and tractors — Repair and maintenance information — Part 2: Diagnostics
ISO/CD 23130	Milking and cooling machine installations — Monitoring device for cooling tanks — Requirements
ISO/CD 11839	Machinery for forestry — Glazing and panel materials used in operator enclosures for protection against thrown sawteeth — Test method and performance criteria
ISO/CD 11806-1	Agricultural and forestry machinery — Safety requirements and testing for portable, hand-held, powered brush-cutters and grass-trimmers — Part 1: Machines fitted with an integral combustion engine
ISO/CD 11806-2	Agricultural and forestry machinery — Safety requirements and testing for portable, hand-held, powered brush-cutters and grass-trimmers — Part 2: Machines for use with back-pack power unit
TC 31	Tyres, rims and valves
ISO/CD 3739-1	Industrial tyres and rims — Part 1: Pneumatic tyres (metric series) on 5 degrees tapered or flat base rims — Designation, dimensions and marking
TC 34	Food products
ISO/DTS 20224-1	Molecular biomarker analysis — Detection of animal derived materials in foodstuffs and feedstuffs by real-time PCR — Part 1: Bovine DNA detection method
TC 37	Language and terminology
ISO/CD 24613-3	Language resource management — Lexical markup framework (LMF) — Part 3: Etymological Extension
ISO/CD 24613-4	Language resource management — Lexical markup framework (LMF) — Part 4: TEI serialisation
TC 45	Rubber and rubber products
ISO/CD 248-1	Rubber, raw — Determination of volatile-matter content — Part 1: Hot-mill method and oven method
ISO/CD 23508	Solution-polymerized SBR — Evaluation methods of viscoelastic properties
TC 58	Gas cylinders
ISO/DTR 13086-4	Gas cylinders — Guidance for design of composite cylinders — Part 4: Cyclic fatigue of fibers and liners
TC 59	Buildings and civil engineering works
ISO/CD 10845-1	Construction procurement — Part 1: Processes, methods and procedures
ISO/CD 10845-2	Construction procurement — Part 2: Formatting and compilation of procurement documentation
TC 61	Plastics
ISO/DIS 26842-1	Adhesives — Test methods for the evaluation and selection of adhesives for indoor wood products — Part 1: Resistance to delamination in non-severe environments
ISO/DIS 26842-2	Adhesives — Test methods for the evaluation and selection of adhesives for indoor wood products — Part 2: Resistance to delamination in severe environments

ISO/CD 23483	Carbon fibres — Determination of PAN-based carbon fibre tow characteristics — Thermal conductivity	ISO/CD 15368	Optics and photonics — Measurement of reflectance of plane surfaces and transmittance of plane parallel elements
TC 69	Applications of statistical methods	TC 173	Assistive products
ISO/CD 13053-1	Systems for process improvement — Lean & Six Sigma — Part 1: Methodology	ISO/CD 9999	Assistive products for persons with disability — Classification and terminology
ISO/DTR 22914	Statistical methods for implementation of Six Sigma — Selected illustration for ANOVA	TC 188	Small craft
TC 71	Concrete, reinforced concrete and pre-stressed concrete	ISO/CD 8847	Small craft — Steering gear — Cable and pulley systems
ISO/DTR 16475	Best practices for the repair of water-leakage cracks in concrete structures	TC 202	Microbeam analysis
TC 72	Textile machinery and accessories	ISO/CD 15632	Microbeam analysis — Selected instrumental performance parameters for the specification and checking of energy-dispersive X-ray spectrometers for use in electron probe microanalysis
ISO/CD 344	Textile machinery and accessories — Spinning machines — Flyer bobbins	TC 204	Intelligent transport systems
TC 76	Transfusion, infusion and injection, and blood processing equipment for medical and pharmaceutical use	ISO/CD 13143-1	Electronic fee collection — Evaluation of on-board and roadside equipment for conformity to ISO 12813 — Part 1: Test suite structure and test purposes
ISO/CD 719	Glass — Hydrolytic resistance of glass grains at 98 degrees C — Method of test and classification	ISO 14906:2018/CD Amd 1	Electronic fee collection — Application interface definition for dedicated short-range communication — Amendment 1
ISO/CD 720	Glass — Hydrolytic resistance of glass grains at 121 degrees C — Method of test and classification	ISO/CD 14907-1	Electronic fee collection — Test procedures for user and fixed equipment — Part 1: Description of test procedures
TC 85	Nuclear energy, nuclear technologies, and radiological protection	ISO/CD 19299	Electronic fee collection — Security framework
ISO/CD 23466	Design criteria for the thermal insulation of reactor coolant system main equipments and pipings of PWR nuclear power plants	TC 207	Environmental management
TC 92	Fire safety	ISO/CD 14009	Environmental management system: Guidelines for incorporating redesign of products and components to improve material circulation
ISO/DTR 22899-2	Determination of the resistance to jet fires of passive fire protection — Part 2: Guidance on classification and implementation methods	ISO/DTR 14035	Environmental technology verification — ETV - Guidance to implement ISO 14034
TC 102	Iron ore and direct reduced iron	TC 209	Cleanrooms and associated controlled environments
ISO/DTS 21826	Iron ores — Determination of total iron content — EDTA titrimetric method	ISO/CD 14644-4	Cleanrooms and associated controlled environments — Part 4: Design, construction and start-up
TC 108	Mechanical vibration, shock and condition monitoring	TC 215	Health informatics
ISO/DTR 10687	Mechanical vibration-- Description and determination of seated postures with reference to whole-body vibration	ISO/CD TR 21332	Health informatics — Cloud computing considerations for health information systems security and privacy
TC 110	Industrial trucks	ISO/CD TR 24080	Health informatics — Identification of medicinal products — Class name and attribute translations and synonyms for the identification of medicinal products for ISO 11615
ISO/CD 3691-1	Industrial trucks — Safety requirements and verification — Part 1: Self-propelled industrial trucks, other than driverless trucks, variable-reach trucks and burden-carrier trucks	TC 224	Service activities relating to drinking water supply, wastewater and storm-water systems
ISO/CD 6055	Industrial trucks — Overhead guards — Specification and testing	ISO/CD 24528	Water Loss in Urban Supply Systems-guideline of preliminary phase of Water Loss reduction and Management project
TC 146	Air quality	TC 227	Springs
ISO/CD 23506	Workplace Air — Analysis of airborne immiscible mineral oil droplets and vapor with Fourier — Transform Infrared spectroscopy	ISO/CD 22705-1	Springs — Measurement and test parameters — Part 1: Cold formed cylindrical helical compression springs
TC 159	Ergonomics	TC 249	Traditional Chinese medicine
ISO/CD TR 11064-10	Ergonomic design of control centres — Part 10: Introduction to the control room design series of standards	ISO/CD 22213	Traditional Chinese medicine — Traditional glass cupping device
TC 161	Controls and protective devices for gas and/or oil	TC 260	Human resource management
ISO/CD 23555-2	Gas pressure safety and control devices for use in gas transmission, distribution and installations for inlet pressures up to and including 10 MPa — Part 2: Pressure regulators	ISO/CD 30416	Human resource management — Workforce management
TC 162	Doors, windows and curtain walling	TC 276	Biotechnology
ISO/CD 22497	Curtain walling — Terminology	ISO/CD 20397-2	Biotechnology — General requirements for massive parallel sequencing — Part 2: Methods to evaluate the quality of sequencing data
TC 172	Optics and photonics		

TC 281	Fine bubble technology	ISO/DIS 2702	Fasteners — Heat-treated self-tapping screws — Mechanical and physical properties	2019-06-28
ISO/CD 20480-3	Fine bubble technology — General principles for usage and measurement of fine bubbles — Part 3: Terminology of fine bubble generating systems		(Revision of ISO 2702:2011)	
ISO/CD 21256-3	Fine bubble technology — Cleaning applications — Part 3: Test method for cleaning hard flooring surfaces	TC 6	Paper, board and pulps	
JTC 1	Information technology	ISO/DIS 8784-3	Pulp, paper and board — Microbiological examination — Part 3: Enumeration of yeast and mould based on disintegration	2019-07-01
ISO/IEC CD 9594-11	Information technology — Open systems interconnection — The directory — Part 11: Protocol specifications for public-key infrastructure and privilege management structure	TC 8	Ships and marine technology	
ISO/IEC CD 7816-11	Identification cards — Integrated circuit cards — Part 11: Personal verification through biometric methods	ISO/DIS 5480	Ships and marine technology — Guardrails for cargo ships	2019-06-26
ISO 9660:1988/PDAM 2	Information processing — Volume and file structure of CD-ROM for information interchange — Amendment 2		(Revision of ISO 5480:1979)	
ISO/IEC CD 21858	Information model for mixed and augmented reality (MAR) contents	ISO/DIS 23121-1	Ships and marine technology — Inflatable buoyancy support system against flooding of ships — Part 1: Gas supply system	2019-07-17
ISO/IEC CD 23264-1	Information Technology — Security Techniques — Redaction of Authentic Data — Part 1: General	ISO/DIS 23121-2	Ships and marine technology — Inflatable buoyancy support system against flooding of ships — Part 2: Buoyancy chamber	2019-07-17
ISO/IEC CD 21122-5	Information technology — Low-latency light-weight image coding system — Part 5: Reference software	ISO/DIS 23430	Ships and marine technology — Specification of high manganese austenitic steel thin strips used for LNG tanks on board ships	2019-07-19
ISO/IEC CD 21794-1	Information technology — Plenoptic image coding system (JPEG PLENO) — Part 1: Framework	TC 17	Steel	
ISO/IEC CD 23093-4	Information technology — Internet of media things — Part 4: Internet of media things: Reference software and conformance	ISO 10893-3:2011/DAMd 1	Non-destructive testing of steel tubes — Part 3: Automated full peripheral flux leakage testing of seamless and welded (except submerged arc-welded) ferromagnetic steel tubes for the detection of longitudinal and/or transverse imperfections — Amendment 1	2019-06-27
ISO/IEC CD 29158	Information technology — Automatic identification and data capture techniques — Direct Part Mark (DPM) Quality Guideline	TC 20	Aircraft and space vehicles	
ISO/IEC CD 23836	Information technology — User interfaces — Universal interface for human language selection	ISO/DIS 21384-1	Unmanned aircraft systems — Part 1: General specification	2019-06-27
ISO/IEC PDTS 29140	Information technology for learning, education and training — Nomadicity and mobile technologies	ISO/DIS 21384-4	Unmanned aircraft systems — Part 4: Vocabulary	2019-06-28
ISO/IEC 19944:2017/PDAM 1	Information technology — Cloud computing — Cloud services and devices: Data flow, data categories and data use — Amendment 1	ISO/DIS 21895	Categorization and classification of civil unmanned aircraft systems	2019-06-27

## DIS circulated

Period from 01 April to 30 April 2019

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

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

\* Available in English only

Vote  
terminates

TC 2	Fasteners	ISO/DIS 4513	Road vehicles — Visibility — Method for establishment of eye-ellipses for driver's eye location	2019-07-18
			(Revision of ISO 4513:2010)	

ISO/DIS 17409	Electrically propelled road vehicles — Conductive power transfer — Safety requirements	2019-07-02	ISO/DIS 22186	Milk and milk products — Determination of nitrofurazone	2019-07-10
ISO/DIS 15007	(Revision of ISO 17409:2015) Road vehicles — Measurement and analysis of driver visual behaviour with respect to transport information and control systems (Revision of ISO 15007-1:2014, ISO/TS 15007-2:2014)	2019-07-01	ISO/DIS 23291	Milk and milk products — Guidelines for the application of in-line and on-line infrared spectrometry	
TC 25	Cast irons and pig irons		ISO/DIS 23293	Milk-based infant formula powders — Quantification of whey protein content by sodium dodecyl sulfate — Capillary gel electrophoresis (SDS-CGE)	
ISO/DIS 17804	Founding — Ausferritic spheroidal graphite cast irons — Classification	2019-07-16	ISO/DIS 21803	Dried dill — Specification	2019-07-10
	(Revision of ISO 17804:2005)				
TC 27	Solid mineral fuels		TC 35	Paints and varnishes	
ISO/DIS 556	Coke (greater than 20 mm in size) — Determination of mechanical strength	2019-07-16	ISO/DIS 11890-2	Paints and varnishes — Determination of volatile organic compound (VOC) and semi volatile organic compound (SVOC) content — Part 2: Gas-chromatographic method (Revision of ISO 11890-2:2013)	2019-07-16
	(Revision of ISO 556:1980)		ISO/DIS 13076	Paints and varnishes — Lighting and procedure for visual assessments of coatings	2019-07-12
TC 28	Petroleum and related products, fuels and lubricants from natural or synthetic sources		ISO/DIS 23169	(Revision of ISO 13076:2012) Paints and varnishes — On-site test methods on quality assessment for interior wall coatings	2019-07-08
ISO 6614:1994/DAmd 1	Petroleum products — Determination of water separability of petroleum oils and synthetic fluids — Amendment 1	2019-06-28	TC 37	Language and terminology	
ISO 9120:1997/DAmd 1	Petroleum and related products — Determination of air-release properties of steam turbine and other oils — Impinger method — Amendment 1	2019-06-28	ISO/DIS 20771	Legal translation — Requirements	
TC 29	Small tools		TC 38	Textiles	
ISO/DIS 26623-1	Polygonal taper interface with flange contact surface — Part 1: Dimensions and designation of shanks (Revision of ISO 26623-1:2014)	2019-07-05	ISO/DIS 20852	Textiles — Determination of the total heat transfer through textiles in simulated environments	2019-07-11
TC 34	Food products		ISO/DIS 22195-1	Textiles-Determination of index ingredient from coloured textiles — Part 1: Madder	2019-06-26
ISO/DIS 20980	Artichokes — Specification and test methods	2019-07-17	ISO/DIS 22195-2	Textiles — Determination of index ingredient from coloured textiles — Part 2: Turmeric	2019-06-26
ISO/DIS 20981	Asparagus — Specification and test methods	2019-07-17	TC 39	Machine tools	
ISO/DIS 20982	Priests (Caper) (Capparis spp.) — Specification and test methods	2019-07-17	ISO/DIS 14955-3	Machine tools — Environmental evaluation of machine tools — Part 3: Principles for testing metal-cutting machine tools with respect to energy efficiency	2019-07-19
ISO/DIS 20984	Cornelian cherry — Specification and test methods	2019-07-15	ISO/DIS 14955-5	Machine tools — Environmental evaluation of machine tools — Part 5: Principles for testing woodworking machine tools with respect to energy supplied	2019-07-05
ISO/DIS 16297	Milk — Bacterial count — Protocol for the evaluation of alternative methods (Revision of ISO 16297:2013)		TC 41	Pulleys and belts (including veebelts)	
ISO/DIS 21187	Milk — Quantitative determination of bacteriological quality — Guidance for establishing and verifying a conversion relationship between results of an alternative method and anchor method results (Revision of ISO 21187:2004)		ISO/DIS 21178	Light conveyor belts — Determination of electrical resistances	2019-07-19
				(Revision of ISO 21178:2013)	
			TC 43	Acoustics	

ISO/DIS 11691	Acoustics — Measurement of insertion loss of ducted silencers without flow — Laboratory survey method (Revision of ISO 11691:1995)	2019-07-03	ISO 21809-3:2016/DAMd 1	Petroleum and natural gas industries — External coatings for buried or submerged pipelines used in pipeline transportation systems — Part 3: Field joint coatings — Amendment 1: Introduction of mesh-backed coating systems	2019-07-15
TC 45	Rubber and rubber products		TC 70	Internal combustion engines	
ISO/DIS 1436	Rubber hoses and hose assemblies — Wire-braid-reinforced hydraulic types for oil-based or water-based fluids — Specification (Revision of ISO 1436:2017)	2019-07-08	ISO/DIS 3046-6	Reciprocating internal combustion engines — Performance — Part 6: Overspeed protection	2019-07-18
ISO/DIS 3862	Rubber hoses and hose assemblies — Rubber-covered spiral-wire-reinforced hydraulic types for oil-based or water-based fluids — Specification (Revision of ISO 3862:2017)	2019-07-10	ISO 8178-1:2017/DAMd 1	(Revision of ISO 3046-6:1990) Reciprocating internal combustion engines — Exhaust emission measurement — Part 1: Test-bed measurement systems of gaseous and particulate emissions — Amendment 1: Update of certain instrument and measurement provisions and of the carbon flow check	2019-07-16
ISO/DIS 4079	Rubber hoses and hose assemblies — Textile-reinforced hydraulic types for oil-based or water-based fluids — Specification (Revision of ISO 4079:2017)	2019-07-09	ISO 8178-4:2017/DAMd 1	Reciprocating internal combustion engines — Exhaust emission measurement — Part 4: Steady-state and transient test cycles for different engine applications — Amendment 1: Update of data evaluation and calculation provisions, the molar based emission calculations and of the engine control area for E3 and E5 test cycle	2019-07-16
ISO/DIS 6805	Rubber hoses and hose assemblies for underground mining — Wire-reinforced hydraulic types for coal mining — Specification (Revision of ISO 6805:1994)	2019-07-05	TC 79	Light metals and their alloys	
ISO/DIS 8789	Rubber hoses and hose assemblies for liquefied petroleum gas in motor vehicles — Specification (Revision of ISO 8789:2018)		ISO/DIS 26202	Magnesium and magnesium alloys — Magnesium alloys for cast anodes	2019-07-05
ISO/DIS 17278	Rubber, raw natural — Determination of the gel content of technically specified rubber (TSR) (Revision of ISO 17278:2013)	2019-07-12	TC 86	Refrigeration and air-conditioning	
TC 46	Information and documentation		ISO/DIS 22043	Ice-cream freezers — Classification, requirements and test conditions	2019-07-19
ISO/DIS 21246	Information and documentation — Key indicators for museums	2019-07-04	TC 94	Personal safety -- Personal protective equipment	
TC 58	Gas cylinders		ISO/DIS 16073-9	Wildland firefighting personal protective equipment — Requirements and test methods — Part 9: Firehoods	2019-07-05
ISO/DIS 11114-1	Gas cylinders — Compatibility of cylinder and valve materials with gas content — Part 1: Metallic materials (Revision of ISO 11114-1:2012, ISO 11114-1:2012/Amd 1:2017)		ISO/DIS 16900-7	Respiratory protective devices — Methods of test and test equipment — Part 7: Practical performance test methods (Revision of ISO 16900-7:2015)	
TC 60	Gears		TC 106	Dentistry	
ISO/DIS 4468	Gear hobs — Accuracy requirements (Revision of ISO 4468:2009, ISO 4468:2009/Cor 1:2009)	2019-07-12	ISO/DIS 10271	Dentistry — Corrosion test methods for metallic materials	2019-07-17
TC 61	Plastics		ISO/DIS 3630-3	Dentistry — Endodontic instruments — Part 3: Compactors: pluggers and spreaders (Revision of ISO 3630-3:2015)	
ISO/DIS 19095-5	Plastics — Evaluation of the adhesion interface performance in plastic-metal assemblies — Part 5: Fracture energy	2019-07-17	ISO/DIS 3630-5	Dentistry — Endodontic instruments — Part 5: Shaping and cleaning instruments	
TC 67	Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries				

	(Revision of ISO 3630-5:2011)				
TC 110	Industrial trucks			ISO/DIS 10872	Water and soil quality — Determination of the toxic effect of sediment and soil samples on growth, fertility and reproduction of <i>Caenorhabditis elegans</i> (Nematoda)
ISO 3691-5:2014/DAmD 2	Industrial trucks — Safety requirements and verification — Part 5: Pedestrian-propelled trucks — Amendment 2	2019-07-08			2019-07-03
TC 113	Hydrometry			TC 173	Assistive products
ISO/DIS 4360	Hydrometry — Open channel flow measurement using triangular profile weirs	2019-07-15		ISO/DIS 7176-19	Wheelchairs — Part 19: Wheelchairs for use as seats in motor vehicles
	(Revision of ISO 4360:2008)				(Revision of ISO 7176-19:2008, ISO 7176-19:2008/Amd 1:2015)
TC 114	Horology			TC 174	Jewellery and precious metals
ISO/DIS 18684	Timekeeping instruments — Watch external parts made of hard material — General requirements and test methods (Revision of ISO/TS 18684:2015)	2019-07-09		ISO/DIS 15093	Jewellery and precious metals — Determination of 999 0/00 gold, platinum and palladium — Difference method using ICP-OES (Revision of ISO 15093:2015)
TC 117	Fans			ISO/DIS 15096	Jewellery and precious metals — Determination of 999 0/00 silver — Difference method using ICP-OES (Revision of ISO 15096:2014)
ISO/DIS 12759-5	Fans — Efficiency classification for fans — Part 5: Jet fans				2019-07-05
TC 131	Fluid power systems			TC 181	Safety of toys
ISO/DIS 10770-3	Hydraulic fluid power — Electrically modulated hydraulic control valves — Part 3: Test methods for pressure control valves (Revision of ISO 10770-3:2007)	2019-07-17		ISO 8124-1:2018/DAmD 1	Safety of toys — Part 1: Safety aspects related to mechanical and physical properties — Amendment 1: Flying toys (Revision of ISO 8124-1:2014/CD Amd 5)
TC 138	Plastics pipes, fittings and valves for the transport of fluids			ISO 8124-1:2018/DAmD 2	Safety of toys — Part 1: Safety aspects related to mechanical and physical properties — Amendment 2: Various 2 (Revision of ISO 8124-1:2000/CD Amd 6)
ISO/DIS 12176-5	Plastics pipes and fittings — Equipment for fusion jointing polyethylene systems — Part 5: Two-dimensional data coding of components and data exchange format for PE piping systems	2019-06-28			2019-07-10
ISO/DIS 8659	Thermoplastics valves — Fatigue strength — Test method	2019-07-05		TC 182	Geotechnics
	(Revision of ISO 8659:1989)			ISO/DIS 22476-14	Geotechnical investigation and testing — Field testing — Part 14: Borehole dynamic probing
TC 142	Cleaning equipment for air and other gases				2019-07-05
ISO/DIS 22031	Sampling and test method for cleanable filter media taken from filters of systems in operation	2019-06-28		TC 198	Sterilization of health care products
				ISO/DIS 13408-6	Aseptic processing of health care products — Part 6: Isolator systems
TC 145	Graphical symbols				(Revision of ISO 13408-6:2005, ISO 13408-6:2005/Amd 1:2013)
ISO 7001:2007/DAmD 107	Graphical symbols — Public information symbols — Amendment 107: PI CF 022: Laundry service	2019-07-03		TC 201	Surface chemical analysis
ISO 7001:2007/DAmD 108	Graphical symbols — Public information symbols — Amendment 108: PI PF 082: Recycling - Plastics	2019-07-03		ISO/DIS 21222	Surface chemical analysis — Scanning probe microscopy — Procedure for the determination of elastic moduli for compliant materials using atomic force microscope and the two-point JKR method
ISO 7001:2007/DAmD 109	Graphical symbols — Public information symbols — Amendment 109: PI TF 044 Electric vehicle charging station	2019-07-03			2019-07-08
TC 146	Air quality			TC 206	Fine ceramics
ISO/DIS 21741	Stationary source emissions — Sampling and determination of mercury compounds in flue gas using gold amalgamation trap	2019-07-12		ISO/DIS 21971	Fine ceramics (advanced ceramics, advanced technical ceramics) — Mechanical properties of ceramic composites at ambient temperature in air atmospheric pressure — Determination of hoop tensile properties of tubes
TC 147	Water quality				2019-07-01

ISO/DIS 23114	Fine ceramics (advanced ceramics, advanced technical ceramics) — Test method for determining bonding strength of ceramic coatings	2019-07-16	JTC 1	Information technology	
			ISO/IEC DIS 24091	Information technology — Power efficiency measurement specification v3.0.3	2019-06-28
ISO/DIS 23242	Fine ceramics (advanced ceramics, advanced technical ceramics) — Test method for flexural strength of monolithic ceramic thin plates at room temperature by three-point or four-point bending	2019-07-16	ISO/IEC DIS 23643	Software and systems engineering — Capabilities of software safety and security verification tools	2019-07-02
TC 211	Geographic information/ Geomatics		ISO/IEC DIS 18038	Information technology — Computer graphics, image processing and environmental representation — Sensor representation in mixed and augmented reality (Revision of ISO/IEC CD 18521-2)	2019-07-17
ISO/DIS 19131	Geographic information — Data product specifications  (Revision of ISO 19131:2007, ISO 19131:2007/Amd 1:2011)		ISO/IEC DIS 27007	Information technology — Security techniques — Guidelines for information security management systems auditing (Revision of ISO/IEC 27007:2017)	2019-06-26
TC 221	Geosynthetics		ISO/IEC DIS 21118	Information technology — Office equipment — Information to be included in specification sheets — Data projectors (Revision of ISO/IEC 21118:2012)	2019-07-17
ISO 9863-1:2016/DAMd 1	Geosynthetics — Determination of thickness at specified pressures — Part 1: Single layers — Amendment 1	2019-07-01	ISO/IEC 18477-1:2015/DAMd 1	Information technology — Scalable compression and coding of continuous-tone still images — Part 1: Scalable compression and coding of continuous-tone still images — Amendment 1: Clarification of the upsampling process	2019-06-28
ISO/DIS 12958-1	Geotextiles and geotextile-related products — Determination of water flow capacity in their plane — Part 1: Index test (Revision of ISO 12958:2010)	2019-07-09	ISO/IEC 18477-8:2016/DAMd 1	Information technology — Scalable compression and coding of continuous-tone still images — Part 8: Lossless and near-lossless coding — Amendment 1: Clarification of the upsampling process	2019-06-28
ISO/DIS 12958-2	Geotextiles and geotextile-related products — Determination of water flow capacity in their plane — Part 2: Performance test (Revision of ISO 12958:2010)	2019-07-09	ISO/IEC DIS 21122-4	Information technology — Low-latency lightweight image coding system — Part 4: Conformance testing	2019-07-03
ISO/DIS 22182	Geotextiles and geotextile-related products — Determination of abrasion resistance characteristics under wet conditions for hydraulic applications	2019-06-27	ISO/IEC 23000-19:2018/DAMd 3	Information technology — Multimedia application format (MPEG-A) — Part 19: Common media application format (CMAF) for segmented media — Amendment 3: HEVC Media Profiles update, new CMAF Structural Brand and other improvements	2019-06-28
TC 262	Risk management		ISO/IEC DIS 30107-4	Information technology — Biometric presentation attack detection — Part 4: Profile for testing of mobile devices	2019-07-19
ISO/DIS 31022	Risk management — Guidelines for the management of legal risk	2019-07-22			
TC 268	Sustainable cities and communities				
ISO/DIS 37160	Smart community infrastructure — Measurement methods for quality of thermal power station infrastructure and requirements for plant operations and management				
TC 279	Innovation management				
ISO/DIS 56000	Innovation management — Fundamentals and vocabulary	2019-07-04			
TC 292	Security and resilience				
ISO/DIS 22313	Security and resilience — Business continuity management systems — Guidance  (Revision of ISO 22313:2012)	2019-07-10			
CASCO	Committee on conformity assessment				
ISO/IEC DIS 17000	Conformity assessment — Vocabulary and general principles  (Revision of ISO/IEC 17000:2004)	2019-06-28			

## FDIS circulated

Period from 01 April to 30 April 2019

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	ISO/FDIS	Standard title	Effective date
			ISO/FDIS 10795	Space systems — Programme management and quality — Vocabulary	2019-06-03
				(Revision of ISO 10795:2011)	
TC 2	Fasteners		ISO/FDIS 24113	Space systems — Space debris mitigation requirements	2019-05-31
ISO/FDIS 3269	Fasteners — Acceptance inspection	2019-06-03		(Revision of ISO 24113:2011)	
	(Revision of ISO 3269:2000)		ISO/FDIS 26872	Space systems — Disposal of satellites operating at geosynchronous altitude	2019-06-01
TC 6	Paper, board and pulps			(Revision of ISO 26872:2010)	
ISO/FDIS 1762	Paper, board, pulps and cellulose nanomaterials — Determination of residue (ash content) on ignition at 525 °C	2019-06-13	TC 22	Road vehicles	
	(Revision of ISO 1762:2015)		ISO/FDIS 22241-4	Diesel engines — NOx reduction agent AUS 32 — Part 4: Refilling interface	2019-05-31
ISO/FDIS 12830	Paper, board, pulps and cellulose nanomaterials — Determination of acid-soluble magnesium, calcium, manganese, iron, copper, sodium and potassium	2019-06-19		(Revision of ISO 22241-4:2009)	
	(Revision of ISO 12830:2011)		ISO/FDIS 16505	Road vehicles — Ergonomic and performance aspects of Camera Monitor Systems — Requirements and test procedures	2019-06-04
				(Revision of ISO 16505:2015)	
TC 8	Ships and marine technology		TC 23	Tractors and machinery for agriculture and forestry	
ISO/FDIS 15738	Ships and marine technology — Maritime safety — Gas inflation systems for inflatable life-saving appliances	2019-06-14	ISO/FDIS 19932-3	Equipment for crop protection — Knapsack sprayers — Part 3: Inspection of knapsack sprayers in use	2019-06-13
	(Revision of ISO 15738:2002)				
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## Standards published

New International Standards published between 01 April and 30 April 2019

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

<sup>2</sup> corrected version

<sup>3</sup> multilingual document

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ISO/TR 20118:2019	en	Plastics — Guidance on fire characteristics and fire performance of PVC materials used in building applications	F	<b>TC 68</b>			
ISO 6721-1:2019	en fr	Plastics — Determination of dynamic mechanical properties — Part 1: General principles	D	ISO 17442:2019	en	Financial services — Legal entity identifier (LEI)	A
ISO 6721-2:2019	en fr	Plastics — Determination of dynamic mechanical properties — Part 2: Torsion-pendulum method	C	ISO/TR 21797:2019	en	Reference data for financial services — Overview of identification of financial instruments	A
ISO 6721-5:2019	en	Plastics — Determination of dynamic mechanical properties — Part 5: Flexural vibration — Non-resonance method	B	<b>TC 69</b>			
ISO 6721-6:2019	en	Plastics — Determination of dynamic mechanical properties — Part 6: Shear vibration — Non-resonance method	B	ISO/TR 20693:2019	en	Statistical methods for implementation of Six Sigma — Selected illustrations of distribution identification studies	E
				<b>TC 83</b>			
				Sports and other recreational facilities and equipment			



ISO 20957-9:2016/Amd 1:2019	en	Stationary training equipment — Part 9: Elliptical trainers, additional specific safety requirements and test methods — Amendment 1	XZ	ISO 4386-2:2019	en	Plain bearings — Metallic multilayer plain bearings — Part 2: Destructive testing of bond for bearing metal layer thicknesses greater than or equal to 2 mm	B
ISO 5355:2019	en fr	Alpine ski-boots — Requirements and test methods	E	ISO 7905-3:2019	en	Plain bearings — Bearing fatigue — Part 3: Test on plain strips of a metallic multilayer bearing material	A
ISO 9523:2019	en fr	Touring ski-boots for adults — Interface with touring ski-bindings — Requirements and test methods	D	ISO 12129-2:2019	en	Plain bearings — Tolerances — Part 2: Tolerances on form and position and surface roughness for shafts and thrust collars	A
ISO 20739:2019	en fr	Martial arts — Wushu Taiji clothing — Requirements and test methods	B	<hr/>			
TC 86	Refrigeration and air-conditioning			TC 126	Tobacco and tobacco products		
ISO 16358-1:2013/Amd 1:2019	en	Air-cooled air conditioners and air-to-air heat pumps — Testing and calculating methods for seasonal performance factors — Part 1: Cooling seasonal performance factor — Amendment 1	D	ISO 16055:2019	fr <sup>1</sup>	Tobacco and tobacco products — Monitor test piece — Requirements and use	C
TC 92	Fire safety			ISO 22253:2019	en fr	Cigarettes — Determination of nicotine in total particulate matter from the mainstream smoke with an intense smoking regime — Gas-chromatographic method	B
ISO/TS 19677:2019	fr <sup>1</sup>	Guidelines for assessing the adverse impact of wildland fires on the environment and to people through environmental exposure	D	<hr/>			
TC 94	Personal safety -- Personal protective equipment			TC 127	Earth-moving machinery		
ISO/TR 22463:2019	en	Patient and client eye protectors for use during laser or intense light source (ILS) procedures — Guidance	B	ISO 20474-15:2019	en	Earth-moving machinery — Safety — Part 15: Requirements for compact tool carriers	B
ISO 18889:2019	en fr	Protective gloves for pesticide operators and re-entry workers — Performance requirements	B	ISO 7135:2009/Amd 1:2019	en fr	Earth-moving machinery — Hydraulic excavators — Terminology and commercial specifications — Amendment 1	XZ
TC 102	Iron ore and direct reduced iron			TC 130	Graphic technology		
ISO 4701:2019	en	Iron ores and direct reduced iron — Determination of size distribution by sieving	F	ISO 16684-1:2019	en	Graphic technology — Extensible metadata platform (XMP) — Part 1: Data model, serialization and core properties	F
ISO 2597-2:2019	en	Iron ores — Determination of total iron content — Part 2: Titrimetric methods after titanium(III) chloride reduction	C	TC 131	Fluid power systems		
TC 110	Industrial trucks			ISO 6149-1:2019	en fr	Connections for hydraulic fluid power and general use — Ports and stud ends with ISO 261 metric threads and O-ring sealing — Part 1: Ports with truncated housing for O-ring seal	A
ISO 15871:2019	en fr	Industrial trucks — Specifications for indicator lights for container handling and grapple arm operations	A	TC 134	Fertilizers, soil conditioners and beneficial substances		
ISO 10896-6:2015/Amd 1:2019	en	Rough-terrain trucks — Safety requirements and verification — Part 6: Tilting operator's cabs — Amendment 1	XZ	ISO 15604:2016	fr <sup>1</sup>	Fertilizers — Determination of different forms of nitrogen in the same sample, containing nitrogen as nitric, ammoniacal, urea and cyanamide nitrogen	D
TC 119	Powder metallurgy			ISO 15959:2016	fr <sup>1</sup>	Fertilizers — Determination of extracted phosphorus	B
ISO 4491-4:2019	en fr	Metallic powders — Determination of oxygen content by reduction methods — Part 4: Total oxygen by reduction-extraction	A	ISO 25475:2016	fr <sup>1</sup>	Fertilizers — Determination of ammoniacal nitrogen	B
TC 123	Plain bearings			ISO 25705:2016	fr <sup>1</sup>	Fertilizers — Determination of urea condensates using high-performance liquid chromatography (HPLC) — Isobutylidenediurea and crotonylidenediurea (method A) and methylenurea oligomers (method B)	C
ISO 4386-1:2019	en	Plain bearings — Metallic multilayer plain bearings — Part 1: Non-destructive ultrasonic testing of bond of thickness greater than or equal to 0,5 mm	B	TC 135	Non-destructive testing		
				ISO 15549:2019	en fr	Non-destructive testing — Eddy current testing — General principles	B

ISO 15708-1:2017	fr <sup>1</sup>	Non-destructive testing — Radiation methods for computed tomography — Part 1: Terminology	A	TC 188		Small craft	
				ISO 11591:2019	en fr	Small craft — Field of vision from the steering position	B
ISO 15708-2:2017	fr <sup>1</sup>	Non-destructive testing — Radiation methods for computed tomography — Part 2: Principles, equipment and samples	C	ISO 11592-2:2019	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 15708-3:2017	fr <sup>1</sup>	Non-destructive testing — Radiation methods for computed tomography — Part 3: Operation and interpretation	D	TC 190		Soil quality	
TC 138		Plastics pipes, fittings and valves for the transport of fluids		ISO 21285:2019	en fr	Soil quality — Inhibition of reproduction of the soil mite ( <i>Hypoaspis aculeifer</i> ) by soil contaminants	D
ISO/TS 21003-7:2019	en	Multilayer piping systems for hot and cold water installations inside buildings — Part 7: Guidance for the assessment of conformity	E	TC 204		Intelligent transport systems	
TC 146		Air quality		ISO 15638-22:2019	en	Intelligent transport systems — Framework for collaborative telematics applications for regulated commercial freight vehicles (TARV) — Part 22: Freight vehicle stability monitoring	E
ISO 17735:2019	en	Workplace atmospheres — Determination of total isocyanate groups in air using 1-(9-anthracenylmethyl) piperazine (MAP) reagent and liquid chromatography	E	ISO 17419:2018	fr <sup>1</sup>	Intelligent transport systems — Co-operative systems — Globally unique identification	F
ISO 12219-9:2019	en	Interior air of road vehicles — Part 9: Determination of the emissions of volatile organic compounds from vehicle interior parts — Large bag method	C	ISO 17438-4:2019	en	Intelligent transport systems — Indoor navigation for personal and vehicle ITS station — Part 4: Requirements and specifications for interface between personal/vehicle and central ITS stations	G
TC 147		Water quality		ISO/TS 21189:2019	en	Intelligent transport systems — Co-operative ITS — Test requirements and protocol implementation conformance statement (PICS) pro forma for ISO/TS 17426	B
ISO 9698:2019	en	Water quality — Tritium — Test method using liquid scintillation counting	D	TC 207		Environmental management	
ISO/TS 12869:2019	en	Water quality — Detection and quantification of <i>Legionella</i> spp. and/or <i>Legionella pneumophila</i> by concentration and genic amplification by quantitative polymerase chain reaction (qPCR)	F	ISO 14064-2:2019	en fr	Greenhouse gases — Part 2: Specification with guidance at the project level for quantification, monitoring and reporting of greenhouse gas emission reductions or removal enhancements	D
ISO 21115:2019	en fr	Water quality — Determination of acute toxicity of water samples and chemicals to a fish gill cell line (RTgill-W1)	F	ISO 14064-3:2019	en fr	Greenhouse gases — Part 3: Specification with guidance for the verification and validation of greenhouse gas statements	G
TC 150		Implants for surgery		TC 213		Dimensional and geometrical product specifications and verification	
ISO 13782:2019	en	Implants for surgery — Metallic materials — Unalloyed tantalum for surgical implant applications	A	ISO 20170:2019	en fr	Geometrical product specifications (GPS) — Decomposition of geometrical characteristics for manufacturing control	D
TC 176		Quality management and quality assurance		TC 215		Health informatics	
ISO/TS 54001:2019	en	Quality management systems — Particular requirements for the application of ISO 9001:2015 for electoral organizations at all levels of government	G	ISO 13120:2019	en fr	Health informatics — Syntax to represent the content of healthcare classification systems — Classification Markup Language (ClAML)	G
TC 182		Geotechnics		TC 220		Cryogenic vessels	
ISO 17892-9:2018	fr <sup>1</sup>	Geotechnical investigation and testing — Laboratory testing of soil — Part 9: Consolidated triaxial compression tests on water saturated soils	D	ISO 23208:2017	fr <sup>1</sup>	Cryogenic vessels — Cleanliness for cryogenic service	B
TC 184		Automation systems and integration		TC 221		Geosynthetics	
ISO 16300-2:2019	en	Automation systems and integration — Interoperability of capability units for manufacturing application solutions — Part 2: Capability templates and software unit cataloguing	C	ISO 10320:2019	fr <sup>1</sup>	Geosynthetics — Identification on site	A

ISO 25619-2:2015	fr <sup>1</sup>	Geosynthetics — Determination of compression behaviour — Part 2: Determination of short-term compression behaviour	B
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TC 224		Service activities relating to drinking water supply, wastewater and stormwater systems	
ISO 24516-4:2019	en fr	Guidelines for the management of assets of water supply and wastewater systems — Part 4: Wastewater treatment plants, sludge treatment facilities, pumping stations, retention and detention facilities	G
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TC 229		Nanotechnologies	
ISO/TS 21361:2019	en	Nanotechnologies — Method to quantify air concentrations of carbon black and amorphous silica in the nanoparticle size range in a mixed dust manufacturing environment	C
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TC 256		Pigments, dyestuffs and extenders	
ISO 787-17:2019	en fr	General methods of test for pigments and extenders — Part 17: Comparison of lightening power of white pigments	A
ISO 18451-1:2019	en fr	Pigments, dyestuffs and extenders — Terminology — Part 1: General terms	A
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TC 268		Sustainable cities and communities	
ISO 37104:2019	en	Sustainable cities and communities — Transforming our cities — Guidance for practical local implementation of ISO 37101	G
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TC 299		Robotics	
ISO 18646-2:2019	en	Robotics — Performance criteria and related test methods for service robots — Part 2: Navigation	C
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TMBG		Technical Management Board - groups	
IWA 32:2019	en	Screening of genetically modified organisms (GMOs) in cotton and textiles	E
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JTC 1		Information technology	
ISO/IEC 15693-2:2019	en	Cards and security devices for personal identification — Contactless vicinity objects — Part 2: Air interface and initialization	D
ISO/IEC 15693-3:2019	en	Cards and security devices for personal identification — Contactless vicinity objects — Part 3: Anticollision and transmission protocol	G
ISO/IEC 16963:2017	en <sup>2</sup>	Information technology — Digitally recorded media for information interchange and storage — Test method for the estimation of lifetime of optical disks for long-term data storage	G
ISO/IEC 14543-5-12:2019	en	Information technology — Home electronic systems (HES) architecture — Part 5-12: Intelligent grouping and resource sharing for HES Class 2 and Class 3 — Remote access test and verification	D
ISO/IEC 27019:2017	fr <sup>1</sup>	Information technology — Security techniques — Information security controls for the energy utility industry	E

ISO/IEC 14496-4:2004/ Amd 46:2019	en	Information technology — Coding of audio-visual objects — Part 4: Conformance testing — Amendment 46: Conformance testing for internet video coding	XZ
ISO/IEC 14496-5:2001/ Amd 41:2019	en	Information technology — Coding of audio-visual objects — Part 5: Reference software — Amendment 41: Reference software for internet video coding	XZ
ISO/IEC 23005-6:2019	en	Information technology — Media context and control — Part 6: Common types and tools	H
ISO/IECTR 11179-2:2019	en	Information technology — Metadata registries (MDR) — Part 2: Classification	B
ISO/IEC 19788-7:2019	en	Information technology — Learning, education and training — Metadata for learning resources — Part 7: Bindings	H

## Standards confirmed

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

TC 6	Paper, board and pulps
ISO 22891:2013	
TC 8	Ships and marine technology
ISO/PAS 22853:2005	
TC 10	Technical product documentation
ISO 128-21:1997	(reconfirmed)
ISO 3098-5:1997	(reconfirmed)
ISO 5455:1979	(reconfirmed)
ISO 5456-1:1996	(reconfirmed)
ISO 5456-2:1996	(reconfirmed)
ISO 5456-3:1996	(reconfirmed)
ISO 5456-4:1996	(reconfirmed)
ISO 7200:2004	(reconfirmed)
TC 20	Aircraft and space vehicles
ISO 45:1990	(reconfirmed)
ISO 46:1973	(reconfirmed)
ISO 4115:1997	(reconfirmed)
ISO 4116:1986	(reconfirmed)
ISO 4117:1993	(reconfirmed)
ISO 4128:1985	(reconfirmed)
ISO 4170:1995	(reconfirmed)
ISO 4171:1993	(reconfirmed)
ISO 6517:2013	
ISO 6702-1:1991	(reconfirmed)
ISO 6702-2:1991	(reconfirmed)
ISO 6966-1:2005	(reconfirmed)
ISO 6968:2005	(reconfirmed)

ISO 7715:1985	(reconfirmed)	ISO 8032:1997	
ISO 7716:1985	(reconfirmed)	TC 46	Information and documentation
ISO 8058:1999	(reconfirmed)	ISO 18:1981	(reconfirmed)
ISO 8097:2001	(reconfirmed)	ISO 215:1986	(reconfirmed)
ISO 8268:1987	(reconfirmed)	ISO 2384:1977	(reconfirmed)
ISO 8323:1985	(reconfirmed)	ISO 7144:1986	(reconfirmed)
ISO 9031:1987	(reconfirmed)	ISO 7275:1985	(reconfirmed)
ISO 10046:1996	(reconfirmed)	TC 60	Gears
ISO 11242:1996	(reconfirmed)	ISO 10825:1995	(reconfirmed)
ISO 27471:2012		TC 67	Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries
TC 22	Road vehicles	ISO 13847:2013	
ISO 612:1978		ISO 14313:2007	(reconfirmed)
ISO 1176:1990	(reconfirmed)	TC 85	Nuclear energy, nuclear technologies, and radiological protection
ISO 3779:2009	(reconfirmed)	ISO/ASTM 51276:2012	
ISO 3795:1989	(reconfirmed)	TC 92	Fire safety
ISO 3832:2002	(reconfirmed)	ISO 13785-2:2002	(reconfirmed)
ISO 3833:1977	(reconfirmed)	ISO 19706:2011	
ISO 4100:1980	(reconfirmed)	ISO 29904:2013	
ISO 4131:1979		ISO/TS 29761:2015	
ISO 11898-4:2004	(reconfirmed)	TC 94	Personal safety -- Personal protective equipment
ISO/PAS 19295:2016		ISO 16900-11:2013	
ISO 23273:2013		TC 101	Continuous mechanical handling equipment
TC 23	Tractors and machinery for agriculture and forestry	ISO 1050:1975	(reconfirmed)
ISO 5674:2004	(reconfirmed)	ISO 1535:1975	(reconfirmed)
TC 29	Small tools	ISO 1536:1975	(reconfirmed)
ISO 6104:2005	(reconfirmed)	ISO 1537:1975	(reconfirmed)
TC 34	Food products	ISO 1807:1975	(reconfirmed)
ISO 1735:2004	(reconfirmed)	ISO 1815:1975	(reconfirmed)
ISO 1738:2004	(reconfirmed)	ISO 1816:1975	(reconfirmed)
ISO 1740:2004	(reconfirmed)	ISO 2109:1975	(reconfirmed)
ISO 2911:2004	(reconfirmed)	ISO 2139:1975	(reconfirmed)
ISO 2920:2004	(reconfirmed)	ISO 2148:1974	(reconfirmed)
ISO 3728:2004	(reconfirmed)	ISO 2326:1972	(reconfirmed)
ISO 18329:2004	(reconfirmed)	ISO 3284:1974	(reconfirmed)
TC 38	Textiles	ISO 4123:1979	(reconfirmed)
ISO 2913:1975	(reconfirmed)	ISO 5048:1989	(reconfirmed)
ISO 2915:1975	(reconfirmed)	ISO 5049-1:1994	(reconfirmed)
ISO 3060:1974	(reconfirmed)	ISO 5050:1981	(reconfirmed)
ISO 3072:1975	(reconfirmed)	ISO 5051:1981	(reconfirmed)
ISO 8160:1987	(reconfirmed)	ISO 7119:1981	(reconfirmed)
ISO 10132:1993	(reconfirmed)	ISO 7149:1982	(reconfirmed)
TC 39	Machine tools	ISO 7190:1981	(reconfirmed)
ISO 16156:2004	(reconfirmed)	ISO 8456:1985	(reconfirmed)
TC 44	Welding and allied processes	ISO 9851:1990	(reconfirmed)
ISO 17641-1:2004	(reconfirmed)	TC 108	Mechanical vibration, shock and condition monitoring
ISO 17642-1:2004	(reconfirmed)	ISO/TS 14837-32:2015	
ISO 17642-2:2005	(reconfirmed)	TC 113	Hydrometry
ISO 17642-3:2005	(reconfirmed)	ISO 11329:2001	
ISO 14744-1:2008	(reconfirmed)		
ISO 15614-4:2005	(reconfirmed)		
ISO 15616-1:2003	(reconfirmed)		
ISO 15616-2:2003	(reconfirmed)		
ISO 15616-3:2003	(reconfirmed)		
TC 45	Rubber and rubber products		

TC 127	Earth-moving machinery
ISO 6014:1986	(reconfirmed)
ISO 6015:2006	(reconfirmed)
ISO 6016:2008	(reconfirmed)
ISO 6484:1986	(reconfirmed)
ISO 7457:1997	(reconfirmed)
ISO 9248:1992	(reconfirmed)
ISO 9249:2007	(reconfirmed)
ISO 10265:2008	(reconfirmed)
ISO 10266:1992	(reconfirmed)
ISO 10567:2007	(reconfirmed)
ISO 14397-1:2007	(reconfirmed)
ISO 14397-2:2007	(reconfirmed)
ISO 16754:2008	(reconfirmed)
TC 135	Non-destructive testing
ISO 15548-1:2013	
ISO 15548-2:2013	
ISO 5579:2013	
TC 146	Air quality
ISO 10849:1996	(reconfirmed)
TC 147	Water quality
ISO 13164-1:2013	
ISO 13164-2:2013	
ISO 13164-3:2013	
TC 159	Ergonomics
ISO 9241-5:1998	(reconfirmed)
ISO/TS 9241-411:2012	(reconfirmed)
ISO 11064-4:2013	
TC 163	Thermal performance and energy use in the built environment
ISO 29467:2008	(reconfirmed)
ISO 29469:2008	(reconfirmed)
ISO 29471:2008	(reconfirmed)
ISO 29472:2008	(reconfirmed)
ISO 29764:2008	(reconfirmed)
ISO 29765:2008	(reconfirmed)
ISO 29769:2008	(reconfirmed)
ISO 29771:2008	(reconfirmed)
TC 172	Optics and photonics
ISO 9342-2:2005	
TC 174	Jewellery and precious metals
ISO 11596:2008	(reconfirmed)
TC 182	Geotechnics
ISO/TS 22475-2:2006	(reconfirmed)
ISO/TS 22475-3:2007	(reconfirmed)
TC 185	Safety devices for protection against excessive pressure
ISO 4126-1:2013	
ISO 4126-4:2013	
ISO 4126-5:2013	
ISO 4126-7:2013	
TC 215	Health informatics
ISO/TS 13582:2015	

ISO/TS 22077-2:2015	
ISO/TS 22077-3:2015	
ISO/TS 27790:2009	(reconfirmed)
TC 226	Materials for the production of primary aluminium
ISO 806:2004	(reconfirmed)
ISO 2926:2013	
ISO 6257:2002	(reconfirmed)
ISO 10236:1995	(reconfirmed)
ISO 12987:2004	(reconfirmed)
ISO 12988-2:2004	(reconfirmed)
ISO 12989-1:2000	(reconfirmed)
ISO 12989-2:2004	(reconfirmed)
ISO 14422:1999	(reconfirmed)
ISO 14427:2004	(reconfirmed)
ISO 17544:2004	(reconfirmed)
ISO 20202:2004	(reconfirmed)
TC 228	Tourism and related services
ISO/TS 13811:2015	
JTC 1	Information technology
ISO/IEC 20008-2:2013	

## Standards withdrawn

Period from 01 April to 30 April 2019

TC 8	Ships and marine technology
ISO/PAS 22853:2005	(replaced by )
TC 22	Road vehicles
ISO 12405-3:2014	(replaced by ISO 6469-1:2019)
TC 34	Food products
ISO 22004:2014	(replaced by )
TC 41	Pulleys and belts (including veebelts)
ISO 9010:1997	(replaced by ISO 21342:2019)
ISO 9011:1997	(replaced by ISO 21342:2019)
TC 176	Quality management and quality assurance
ISO/TS 17582:2014	(replaced by ISO/TS 54001:2019)
TC 218	Timber
ISO 3179:1974	(replaced by )
JTC 1	Information technology
ISO/IEC 8802-5:1998	(replaced by )
ISO/IEC 8802- 5:1998/Amd 1:1998	(replaced by )

ISO/IEC (replaced by )  
15802-1:1995  
ISO/IEC (replaced by )  
15802-3:1998  
ISO 8378-3:1986 (replaced by )  
ISO/IEC (replaced by ISO/IEC TR 11179-2:2019)  
11179-2:2005

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## Meeting calendar

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The meeting calendar is available at

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