# 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 Cen- tral 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 Internation- al Standard (FDIS), the approval criteria remaining the same.

# CD registered

Period from 01 May to 01 June 2023

These documents are currently under consideration in the technical committee.

They have been registered at the Central Secretariat.

## TC 23 Tractors and machinery for agriculture and forestry

ISO/CD 22368-1 Crop protection equipment — Test methods for

the evaluation of cleaning systems — Part 1: Inter- nal cleaning of complete sprayers

ISO/CD 6531 Machinery for forestry — Portable chain-saws

— Vocabulary

## TC 28 Petroleum and related products, fuels and lubricants from natural or synthetic sources

ISO/CD 13357-1 Petroleum products — Determination of the filter-

ability of lubricating oils — Part 1: Procedure for oils in the presence of water

ISO/CD 13357-2 Petroleum products — Determination of the filter-

ability of lubricating oils — Part 2: Procedure for dry oils

ISO/CD 9200 Crude petroleum and liquid petroleum products

— Volumetric metering of viscous hydrocarbons

ISO/CD 6578 Refrigerated hydrocarbon liquids — Static meas-

urement — Calculation procedure

## TC 31 Tyres, rims and valves

ISO/CD 18511-2 Tyre abrasion rate measurement methods — Part

2: Indoor test method by using an abrasion tester on external drum

## TC 34 Food products

 ISO/CD 21527 Microbiology of the food chain — Horizontal

## TC 8 Ships and marine technology

ISO/CD 8933-1 Ships and marine technology — Energy efficiency

— Part 1: Energy efficiency of individual maritime components

method for the enumeration of yeasts and moulds

ISO/CD 11781 Foodstuffs — General guidelines for single-

laboratory validation of qualitative real-time PCR methods

ISO/CD 10665 CNG and LNG equipment and accessories — CNG

and LNG propulsion system for ships and craft

## TC 17 Steel

ISO/CD 17650 Low-alloyed steel — Determination of Mn, P, Cr, Ni,

Mo, Co, Cu, V, Ti, As and Sn — Inductively coupled plasma atomic emission spectrometric method

ISO/CD 15630-3 Steel for the reinforcement and prestressing of

ISO/CD TS 20224-10

ISO/CD TS 20224-11

Molecular biomarker analysis — Detection of animal-derived materials in foodstuffs and

feedstuffs by real-time PCR — Part 10: Duck DNA detection method

Molecular biomarker analysis — Detection of animal-derived materials in foodstuffs and feed- stuffs by real-time PCR — Part 11: Pigeon DNA detection method

concrete — Test methods — Part 3: Prestressing steel

## TC 20 Aircraft and space vehicles

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ISO/CD 8074ISO/CD 8075 | Aerospace — Surface treatment of austenitic stain- less steel partsAerospace — Surface treatment of hardenable stainless steel parts |  | TC 58ISO/CD 11118TC 61 | Gas cylindersGas cylinders — Non-refillable metallic gas cylin- ders — Specification and test methodsPlastics |
| ISO/CD 8078 | Aerospace process — Anodic treatment of alumini- um alloys — Sulfuric acid process, undyed coating |  | ISO/CD 1628-1 | Plastics — Determination of the viscosity of poly- mers in dilute solution using capillary viscometers |
| ISO/CD 8079 | Aerospace process — Anodic treatment of alumini- um alloys — Sulfuric acid process, dyed coating |  | TC 68 | — Part 1: General principlesFinancial services |
| TC 22 | Road vehicles |  | ISO/CD 9564-5 | Financial services — Personal Identification |

## TC 54 Essential oils

ISO/CD 9842 Oil of rose (Rosa x damascena Miller)

ISO/CD TS 5083 Road vehicles — Safety for automated driving

systems — Design, verification and validation

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

Number (PIN) management and security — Part 5: Methods for generation, change, and verification of PINs using 16-byte block ciphers

## TC 71 Concrete, reinforced concrete and pre- stressed concrete

ISO/CD 16521 Design standard for concrete-filled steel tubular

ISO/CD 20766-19

ISO/CD 20766-22

Road vehicles — Liquefied petroleum gas (LPG) fuel systems components — Part 19: Gas-tube relief valve

Road vehicles — Liquefied petroleum gas (LPG) fuel systems components — Part 22: Power supply bushing (i.e. fuel pump/actuators/fuel level sensor)

(CFST) hybrid structures

## TC 79 Light metals and their alloys

ISO/DTS 4188 Magnesium and magnesium alloys – Determina-

tion of arsenic – Inductively coupled plasma opti- cal emission spectrometric method

## TC 83 Sports and other recreational facilities and equipment

ISO/CD 10256-5 Protective equipment for use in ice hockey — Part

5: Neck laceration protectors for ice hockey players

## TC 86 Refrigeration and air-conditioning

ISO/CD TS 10303-4000

Industrial automation systems and integration — Product data representation and exchange — Part 4000: Core model

ISO/CD PAS 24499

Method of test for burning velocity measurement of A2L flammable gases

## TC 188 Small craft

ISO/CD 12401 Small craft — Deck safety harness and safety line

## TC 92 Fire safety

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ISO/CD 9239-1.2TC 94 | Reaction to fire tests for floorings — Part 1: Deter- mination of the burning behaviour using a radiant heat sourcePersonal safety -- Personal protective |  | TC 190ISO/CD 11265TC 197 | Soil qualityEnvironmental solid matrices — Determination of the specific electrical conductivityHydrogen technologies |
| ISO/CD 22615 | equipmentProtective clothing — Performance requirements |  | ISO/CD 17268-1 | Gaseous hydrogen land vehicle refuelling connec- tion devices — Part 1: Flow capacities up to and |
|  | and test methods for protective clothing against |  |  | including 120 g/s |
|  | infective agents |  | ISO/CD 19881 | Gaseous hydrogen — Land vehicle fuel containers |
| TC 96ISO/CD 9374-1 | CranesCranes — Information to be provided — Part 1: General |  | ISO/CD 19882 | Gaseous hydrogen — Thermally activated pressure relief devices for compressed hydrogen vehicle fuel containers |
| TC 107 | Metallic and other inorganic coatings |  | TC 202 | Microbeam analysis |
| ISO/CD 24251-1 | Prevention of hydrogen assisted brittle fracture of high-strength steel components — Part 1: Funda- mentals and measures |  | ISO/CD 19214 | Microbeam analysis — Analytical electron micros- copy — Method of determination for apparent growth direction of wirelike crystals by transmis- |
|  |  |  |  | sion electron microscopy |

— Safety requirements and test methods

## TC 121 Anaesthetic and respiratory equipment

ISO/CD 7396-3 Medical gas pipeline systems — Part 3: Part 3:

Proportioning units for the production of synthetic medical air

## TC 130 Graphic technology

## TC 204 Intelligent transport systems

ISO/CD 7856 Intelligent transport systems — Remote sup-

port for LSAD system (RS-LSADS) — Performance requirements, system requirements and perfor- mance test procedures

ISO/CD TS 10128.2

Graphic technology — Methods of adjustment of the colour reproduction of a printing system to match a set of characterization data

ISO/CD 17438-3 Intelligent transport systems — Indoor navigation

for personal and vehicle ITS stations — Part 3: Re- quirements and specification for indoor position-

## TC 136 Furniture

ISO/CD 4211-1 Furniture — Tests for surface finishes — Part 1:

Assessment of resistance to cold liquids

## TC 138 Plastics pipes, fittings and valves for the transport of fluids

ISO/CD 15875-1 Plastics piping systems for hot and cold water

installations — Crosslinked polyethylene (PE-X) — Part 1: General

ISO/CD 15875-2 Plastics piping systems for hot and cold water

installations — Crosslinked polyethylene (PE-X) — Part 2: Pipes

ISO/CD 15875-3 Plastics piping systems for hot and cold water

installations — Crosslinked polyethylene (PE-X) — Part 3: Fittings

ISO/CD 15875-5 Plastics piping systems for hot and cold water

installations — Crosslinked polyethylene (PE-X) — Part 5: Fitness for purpose of the system

## TC 156 Corrosion of metals and alloys

ing reference data

## TC 206 Fine ceramics

ISO/CD 5618-2 Fine ceramics (advanced ceramics, advanced

technical ceramics) —Test method for GaN crystal surface defects — Part 2: Method of determining the etch pit density

ISO/CD 23145-2 Fine ceramics (advanced ceramics, advanced tech-

nical ceramics) — Determination of bulk density of ceramic powders — Part 2: Untapped density

## TC 211 Geographic information/Geomatics

ISO/CD 19109 Geographic information — General feature model

and rules for application schema

## TC 214 Elevating work platforms

ISO/CD 18878 Mobile elevating work platforms — Operator

(driver) training

## TC 215 Health informatics

ISO/CD TS 5384 Health informatics - Categorial Structure and Data

Elements for the Identification and Exchange of

ISO 11782- 2:1998/CD

Amd 1

Corrosion of metals and alloys — Corrosion fatigue testing — Part 2: Crack propagation testing using precracked specimens — Amendment 1

Immunization Data

ISO/CD TR 6231 Health informatics — Standardizing graphical

content

## TC 171 Document management applications

ISO/CD 4669-2 Document management — Information classifica-

ISO/CD TS 6476 Health Informatics — Logical Model for the Identi-

fication of Medicinal Products for ISO 11615

tion, marking and handling — Part 2: Functional and technical requirements for ICMH solutions

ISO/CD TS 19293

Health informatics — Requirements for a record of a dispense of a medicinal product

ISO/CD 19005-4 Document management — Electronic document

file format for long-term preservation — Part 4:

## TC 216 Footwear

Use of ISO 32000-2 (PDF/A-4)

## TC 180 Solar energy

ISO/CD 9806 Solar energy — Solar thermal collectors — Test

methods

## TC 184 Automation systems and integration

ISO/CD TS 20358

ISO/CD TS 20939

ISO/CD TS 20952

Footwear-Performance requirements for compo- nents for footwear-Accessories

Footwear-Performance requirements for compo- nents for footwear-Outsoles

Footwear-Performance requirements for compo- nents for footwear-Uppers

ISO/CD 8000-118

Data quality — Part 118: Application of ISO 8000- 115 to natural location identifiers

ISO/CD TS 20953

Footwear-Performance requirements for compo- nents for footwear-Lining and insocks

ISO/CD TS 20955

ISO/CD TS 20961

ISO/CD TS 20995

Footwear-Performance requirements for compo- nents for footwear-Insoles

Footwear-Performance requirements for compo- nents for footwear-Shanks

Footwear-Performance requirements for compo- nents for footwear-Stiffeners and toe puffs

ISO/IEC CD TS 8200

ISO/IEC CD TR 17903

Information technology — Artificial intelligence — Controllability of automated artificial intelligence systems

Information technology — Artificial intelligence — Overview of machine learning computing devices

## TC 267 Facility management

ISO/CD TR 41019

Facility management - The role of FM in sustain- ability and resilience

## TC 268 Sustainable cities and communities

ISO/CD 37114 Sustainable cities and communities — Appraisal

framework for datasets and data processing meth- ods that create urban management information

## TC 269 Railway applications

ISO/CD TR 8941 Railway infrastructure — Rail construction, mainte-

nance and inspection machines — Explanation of machine type and compliance, including accept- ance regimes

ISO/CD TR 5914 Railway Applications — Interior Passive Safety

## TC 281 Fine bubble technology

ISO/CD 21910-2 Fine bubble technology — Characterization of

microbubbles — Part 2: In-situ dynamic image analysis method

## TC 282 Water reuse

# DIS circulated

Period from 01 May to 01 June 2023

These documents have obtained substantial support within the appropri- ate ISO technical committee.

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

\* Available in English only

Vote terminates

ISO/CD 20468-10

Guidelines for performance evaluation of treat- ment technologies for water reuse systems — Part

## TC 6 Paper, board and pulps

10: Evaluation of dependability of treatment systems

## TC 309 Governance of organizations

ISO/CD 37003 Fraud Control Management Systems — Guidance

ISO/DIS

12625-16

Tissue paper and tissue products

— Part 16: Determination of optical properties — Opacity (paper back- ing) — Diffuse reflectance method (Revision of ISO 12625-16:2015)

2023-08-16

for organizations responding to the risk of fraud

## TC 314 Ageing societies

ISO/CD 25556 Ageing societies — General requirements and

guidelines for ageing-inclusive digital economy

## TC 315 Cold chain logistics

ISO/CD 31511 Requirements for contactless delivery services in

cold chain logistics

## TC 321 Transaction assurance in E-commerce

ISO/CD 32122 Transaction assurance in e-commerce — Guide-

lines for online dispute resolution

## JTC 1 Information technology

ISO/IEC CD 9234 Information technology — Information model-

ling for VR/AR/MR based education and training systems

## TC 8 Ships and marine technology

ISO/DIS 23745 Ships and marine technology —

General specification for shipborne

meteorological instruments 2023-08-09

TC 17 Steel

ISO/DIS 4954-1 Steels for cold heading and cold

extruding — Part 1: Non-alloy and

low alloy steels 2023-08-14

(Revision of ISO 4954:2022)

ISO/DIS 4954-2 Steels for cold heading and cold

extruding — Part 2: Stainless steels

2023-08-14

(Revision of ISO 4954:2022)

ISO/IEC CD 18026

ISO/IEC CD 27562.2

ISO/IEC CD 21122-2

Information technology — Spatial Reference Model (SRM)

Privacy guidelines for fintech services

Information technology — JPEG XS low-latency lightweight image coding system — Part 2: Profiles and buffer models

ISO/DIS 6435 Stainless steel bars for the rein-

forcement of concrete

## TC 20 Aircraft and space vehicles

ISO/DIS 1151-7 Flight dynamics — Vocabulary

— Part 7: Flight points and flight

2023-07-25

ISO/IEC CD 21122-3

ISO/IEC 23090- 7:2022/CD

Amd 1

Information technology — JPEG XS low-latency lightweight image coding system — Part 3: Trans- port and container formats

Information technology — Coded representation of immersive media — Part 7: Immersive media metadata — Amendment 1: Common metadata for immersive media

ISO/DIS 12604-2.2

envelopes 2023-08-16

(Revision of ISO 1151-7:1985)

Aircraft ground handling — Checked baggage — Part 2: Han-

dling requirements and guidelines 2023-07-03

ISO/IEC CD 23090-32

ISO/IEC CD 11404

Information technology — Coded representation of immersive media — Part 32: Carriage of haptics data

Information technology — General-Purpose Datatypes (GPD)

ISO/DIS 16454 Space systems — Structural design

— Stress analysis requirements

(Revision of ISO 16454:2007)

2023-08-01

## TC 28 Petroleum and related prod- ucts, fuels and lubricants from natural or synthetic sources

ISO/DIS 12921 Petroleum products and lubricants

* Determination of the mechani- cal stability of greases in presence of water

ISO/DIS 13032 Petroleum and related products

* Determination of low concen-

2023-07-24

(Revision of ISO 21538:2016)

## TC 31 Tyres, rims and valves

ISO/DIS 4000-1 Passenger car tyres and rims — Part

1: Tyres (metric series)

(Revision of ISO 4000-1:2021)

ISO/DIS 14960-2 Tubeless tyres — Valves and

components — Part 2: Clamp-in

2023-08-11

tration of sulfur in automotive fuels — Energy-dispersive X-ray

fluorescence spectrometric method (Revision of ISO 13032:2012)

ISO/DIS 18335 Petroleum products and related

products — Determination of kin- ematic viscosity by calculation from the measured dynamic viscosity and density – Method by constant pressure viscometer

ISO/DIS 4266-2 Petroleum and liquid petroleum

products — Measurement of level and temperature in storage tanks by automatic methods — Part 2: Measurement of level in marine vessels

(Revision of ISO 4266-2:2002)

ISO/DIS 6963 Bunker cargo loading from oil

terminal to bunker tanker using

2023-08-17

2023-08-23

2023-08-01

tubeless tyre valve-test methods 2023-08-04

(Revision of ISO 14960-2:2014)

|  |  |  |
| --- | --- | --- |
| TC 33 | Refractories |  |
| ISO/DIS 21068-1 | Chemical analysis of raw materials |
|  | and refractory products contain- |
|  | ing silicon-carbide, silicon-nitride, | 2023-08-24 |
|  | silicon-oxynitride and sialon — Part |  |
|  | 1: General information and sample |  |

preparation

(Revision of ISO 21068-1:2008)

## TC 34 Food products

ISO/DIS 5553 Meat and meat products — Detec-

tion of condensed phosphates

2023-07-25

(Revision of ISO 5553:1980) ISO/DIS 7158 Meat and meat products — De-

Coriolis mass flow meter 2023-08-03

ISO/DIS 6996 Bunkering - Meter verification us-

ing master Coriolis mass flow meter

2023-07-24

ISO/DIS 7745 Hydraulic fluid power — Fire-resist-

ant (FR) fluids — Requirements and

guidelines for use 2023-08-22

(Revision of ISO 7745:2010) ISO/DIS 8068 Lubricants, industrial oils and

termination of nitrite and nitrate content — Ion chromatography method

ISO/DIS 17174 Molecular biomarker analysis

* DNA barcoding of fish and fish products using defined mitochondrial cytochrome b and cytochrome c oxidase I gene segments

TC 35 Paints and varnishes

ISO/DIS 9607-1 Paints and varnishes — Protective

coatings for concrete structures —

2023-07-31

2023-08-07

related products (class L) — Family T (Turbines) — Specifications for lubricating oils for turbines (Revision of ISO 8068:2006, ISO 8068:2006/Amd 1:2019)

ISO/DIS 8216-1 Products from petroleum, synthetic

and renewable sources — Fuels (class F) classification — Part 1: Categories of marine fuels (Revision of ISO 8216-1:2017)

ISO/DIS 8217 Products from petroleum, synthetic

and renewable sources — Fuels (class F) — Specifications of marine fuels

(Revision of ISO 8217:2017)

2023-08-23

2023-08-09

2023-08-10

Part 1: General introduction 2023-08-01

## TC 37 Language and terminology

ISO/DIS 21636-1 Language coding — A framework

for language varieties — Part 1:

Terms and definitions 2023-08-11

ISO/DIS 21636-3 Language coding — A framework

for language varieties — Part 3:

Application of the framework 2023-08-11

## TC 44 Welding and allied processes

ISO/DIS 10882-1 Health and safety in welding and

allied processes — Sampling of

## TC 29 Small tools

ISO/DIS 603-8 Bonded abrasive products —

Dimensions — Part 8: Grinding wheels for deburring and fettling/ snagging

(Revision of ISO 603-8:1999, ISO 603-8:1999/Cor 1:1999)

ISO/DIS 603-9 Bonded abrasive products —

Dimensions — Part 9: Grinding

2023-08-07

airborne particles and gases in the operator's breathing zone — Part 1: Sampling of airborne particles (Revision of ISO 10882-1:2011)

ISO/DIS 10882-2 Health and safety in welding and

allied processes — Sampling of airborne particles and gases in the operator's breathing zone — Part 2: Sampling of gases

2023-08-02

2023-08-01

wheels for high-pressure grinding 2023-08-07

(Revision of ISO 603-9:1999, ISO 603-9:1999/Cor 1:1999)

ISO/DIS 21538 Blanks for superabrasive cutting-

off wheels — Mounting and fixing

(Revision of ISO 10882-2:2000)

## TC 45 Rubber and rubber products

ISO/DIS 6472 Rubber compounding ingredients

* Abbreviated terms

2023-08-07

bores — Building construction and civil engineering

2023-08-14

(Revision of ISO 6472:2017)

ISO/DIS 22638 Rubber — Generation and collec-

tion of tyre and road wear particles (TRWP) — Road simulator labora- tory method

(Revision of ISO/TS 22638:2018)

ISO/DIS 4641 Rubber hoses and hose assemblies

for water suction and discharge

2023-08-22

ISO 13680:2020/

DAmd 1

Petroleum and natural gas indus- tries — Corrosion-resistant alloy seamless tubular products for use as casing, tubing, coupling stock and accessory material — Technical delivery conditions — Amend- ment 1: Petroleum and natural gas

2023-08-07

* Specification 2023-08-22

(Revision of ISO 4641:2016) ISO/DIS 6224 Thermoplastics hoses, textile-rein-

forced, for general-purpose water

applications — Specification 2023-08-04

(Revision of ISO 6224:2011)

ISO/DIS 6806 Rubber hoses and hose as- semblies for use in oil burners

* Specification 2023-07-24

(Revision of ISO 6806:2017)

industries — Corrosion-resistant alloy seamless products for use as casing, tubing, coupling stock and accessory material — Technical delivery conditions

## TC 68 Financial services

ISO/DIS 20038 Banking and related financial ser-

vices — Key wrap using AES

(Revision of ISO 20038:2017)

## TC 69 Applications of statistical methods

2023-08-18

ISO/DIS 1817 Rubber, vulcanized or thermoplas-

tic — Determination of the effect

of liquids 2023-08-09

(Revision of ISO 1817:2022)

ISO 22514-

7:2021/DAmd 1

Statistical methods in process management — Capability and performance — Part 7: Capability of measurement processes — Amendment 1

2023-08-07

ISO/DIS 23337 Rubber, vulcanized or thermoplas-

tic — Determination of abrasion resistance using the Improved Lambourn test machine (Revision of ISO 23337:2016)

ISO/DIS 2004 Natural rubber latex concentrate —

Centrifuged or creamed, ammonia-

2023-08-16

## TC 85 Nuclear energy, nuclear technologies, and radiological protection

ISO/DIS 16646 Nuclear installations — Criteria

for the design and operation of confinement and ventilation sys-

2023-08-07

preserved types — Specifications 2023-07-25

(Revision of ISO 2004:2017) ISO/DIS 2930 Rubber, raw natural — Determina-

tion of plasticity retention index

(PRI) 2023-08-08

(Revision of ISO 2930:2017) ISO/DIS 2411 Rubber- or plastics-coated fabrics

* Determination of coating

adhesion 2023-08-18

tems of tritium fusion facilities and fusion fuel handling facilities

## TC 87 Cork

ISO/DIS 20752 Cork stoppers — Determination

of releasable 2, 4, 6-trichloroanisol

(TCA) 2023-07-27

(Revision of ISO 20752:2014)

## TC 89 Wood-based panels

ISO/DIS 12460-2 Wood-based panels — Determi-

nation of formaldehyde release

(Revision of ISO 2411:2017) ISO/DIS 5892 Rubber building gaskets — Materi-

als for preformed solid vulcanized

structural gaskets — Specification 2023-08-23

* Part 2: Small-scale chamber method

(Revision of ISO 12460-2:2018)

## TC 94 Personal safety -- Personal protective equipment

2023-08-09

(Revision of ISO 5892:2013) ISO/DIS 17717 Meteorological balloons

* Specification

(Revision of ISO 17717:2017)

2023-08-23

ISO 20345:2021/

DAmd 1

ISO 20346:2021/

DAmd 1

Personal protective equipment — Safety footwear — Amendment 1

Personal protective equipment

— Protective footwear — Amend-

2023-08-02

## TC 61 Plastics

ISO/DIS 14900 Plastics — Polyols for use in the

production of polyurethanes —

Determination of hydroxyl number 2023-08-01

(Revision of ISO 14900:2017)

ISO 20347:2021/

DAmd 1

ment 1 2023-08-02

Personal protective equipment — Occupational footwear — Amend-

ment 1 2023-08-02

## TC 67 Oil and gas industries including lower carbon energy

ISO/DIS 17491-4 Protective clothing — Test

methods for clothing providing protection against chemicals — Part 4: Determination of resistance to penetration by a spray of liquid (spray test)

(Revision of ISO 17491-4:2008, ISO 17491-4:2008/Amd 1:2016)

2023-08-24

ISO/DIS 11999-1 PPE for firefighters — Test methods

and requirements for PPE used by firefighters who are at risk of expo- sure to high levels of heat and/or flame while fighting fires occurring in structures — Part 1: General (Revision of ISO 11999-1:2015)

## TC 106 Dentistry

2023-08-24

## TC 142 Cleaning equipment for air and other gases

ISO/DIS 23138 Biological equipment for treating

air and other gases — General

requirements 2023-08-17

ISO/DIS 29461-3 Air filter intake systems for rotary

machinery — Test methods — Part

ISO/DIS 6872 Dentistry — Ceramic materials

(Revision of ISO 6872:2015, ISO 6872:2015/Amd 1:2018)

2023-08-08

3: Mechanical integrity of filter elements

TC 145 Graphical symbols

ISO/DIS 20560-1 Safety information for the content

of piping systems and tanks — Part

2023-07-25

ISO/DIS 15098 Dentistry — Dental tweezers

(Revision of ISO 15098:2020)

## TC 117 Fans

ISO/DIS 24660 Fans — Determination of airflow

propelled through an open person- nel door by a positive pressure

2023-07-31

2023-08-16

1: Piping systems 2023-07-26

(Revision of ISO 20560-1:2020)

ISO/DIS 20712-3 Water safety signs and beach safety

flags — Part 3: Guidance for use

2023-08-17

(Revision of ISO 20712-3:2020)

ISO/DIS 22578-2 Graphical symbols — Safety

colours and safety signs — Part

ventilator

## TC 118 Compressors and pneumatic tools, machines and equipment

ISO/DIS 22484 Displacement and dynamic com-

pressors — Performance test code for electric driven low-pressure air compressor packages

## TC 121 Anaesthetic and respiratory equipment

2023-07-24

2: Measurement of photopic luminance of phosphorescent com- ponents used in a natural disaster safety way guidance system

TC 146 Air quality

ISO/DIS 6323-1 Workplace air — Determination of

arsenic and arsenic compounds by electrothermal atomic absorption spectrometry — Part 1: Arsenic and arsenic compounds, except arsine

2023-07-27

2023-08-03

ISO/DIS

80601-2-79

Medical electrical equipment —

Part 2-79: Particular requirements for basic safety and essential performance of ventilatory sup- port equipment for ventilatory impairment

(Revision of ISO 80601-2-79:2018)

2023-08-03

ISO/DIS 16000-33

by ET-AAS

Indoor air — Part 33: Determina- tion of phthalates with gas chro- matography/mass spectrometry (GC/MS)

(Revision of ISO 16000-33:2017)

2023-08-24

ISO/DIS 80601-2-80

Medical electrical equipment — Part 2-80: Particular requirements for basic safety and essential performance of ventilatory sup- port equipment for ventilatory insufficiency

(Revision of ISO 80601-2-80:2018)

2023-08-03

## TC 150 Implants for surgery

ISO/DIS 5910 Cardiovascular implants and extra-

corporeal systems — Cardiac valve

repair devices 2023-07-26

(Revision of ISO 5910:2018) ISO/DIS 8637-1 Extracorporeal systems for blood

## TC 122 Packaging

ISO/DIS 7965-1 Packaging — Drop test — Part 1:

Paper sacks

(Revision of ISO 7965-1:1984)

ISO/DIS 21898 Packaging — Flexible intermediate

bulk containers (FIBCs) for non-

2023-08-01

purification — Part 1: Haemodialys- ers, haemodiafilters, haemofilters and haemoconcentrators

(Revision of ISO 8637-1:2017)

ISO/DIS 8637-3 Extracorporeal systems for blood

purification — Part 3: Plasmafilters

2023-08-07

2023-08-08

dangerous goods 2023-08-10

(Revision of ISO 21898:2004)

## TC 123 Plain bearings

ISO/DIS 12129-1 Plain bearings — Tolerances — Part

1: Fits

2023-08-16

(Revision of ISO 12129-1:2019)

(Revision of ISO 8637-3:2018)

## TC 156 Corrosion of metals and alloys

ISO/DIS 7054 Corrosion of metals and alloys - The

wiping method for measurements of gases and particles on real struc- tures and equipment

## TC 159 Ergonomics

ISO/DIS 10075-2 Ergonomic principles related to

mental workload — Part 2: Design

2023-07-24

## TC 126 Tobacco and tobacco products

ISO/DIS 9322 Material used for producing wrap-

pings for cigarette filters, cigarettes and other tobacco products — De- termination of acetate and citrate

— Ion chromatographic method

2023-08-03

principles 2023-08-17

(Revision of ISO 10075-2:1996) ISO/DIS 7726 Ergonomics of the thermal environ-

ment — Instruments for measuring

and monitoring physical quantities 2023-08-17

(Revision of ISO 7726:1998)

## TC 172 Optics and photonics

ISO/DIS 9211-1 Optics and photonics — Optical

coatings — Part 1: Vocabulary

(Revision of ISO 9211-1:2018) ISO/DIS 9211-2 Optics and photonics — Opti-

cal coatings — Part 2: Optical

2023-08-17

ISO/DIS 19880-2 Gaseous hydrogen — Fuelling

stations — Part 2: Dispensers and

dispensing systems 2023-08-01

ISO/DIS 24078 Hydrogen in energy systems

— Vocabulary

2023-08-14

## TC 202 Microbeam analysis

properties 2023-08-16

(Revision of ISO 9211-2:2010)

ISO/DIS 9211-3 Optics and photonics — Optical

coatings — Part 3: Environmental

durability 2023-08-18

(Revision of ISO 9211-3:2008)

ISO/DIS 24173 Microbeam analysis — Guidelines

for orientation measurement using

electron backscatter diffraction 2023-07-26

(Revision of ISO 24173:2009)

ISO/DIS 14594 Microbeam analysis — Electron

probe microanalysis — Guidelines

## TC 173 Assistive products

ISO/DIS 16021 Urine-absorbing products — Basic

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(Revision of ISO 16021:2000)

## TC 180 Solar energy

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for the determination of experi- mental parameters for wavelength dispersive spectroscopy

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## TC 211 Geographic information/ Geomatics

ISO/DIS 19152-3 Geographic information —

Land Administration Domain Model (LADM) — Part 3: Marine

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Solar energy — Collector fields — Check of performance — Amend-

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(Revision of ISO 19152:2012)

## TC 215 Health informatics

 ISO/DIS 14199 Health informatics — Information

## TC 188 Small craft

ISO/DIS 15027-1 Immersion suits — Part 1: Constant

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(Revision of ISO 15027-1:2012) ISO/DIS 15027-2 Immersion suits — Part 2: Aban-

donment suits, requirements

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(Revision of ISO 15027-2:2012)

ISO/DIS 15027-3 Immersion suits — Part 3: Test methods

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(Revision of ISO 15027-3:2012)

## TC 190 Soil quality

models — Biomedical Research Integrated Domain Group (BRIDG)

Model

(Revision of ISO 14199:2015)

## TC 219 Floor coverings

ISO/DIS 24342 Resilient and textile floor-coverings

— Determination of side length, edge straightness and squareness of tiles and planks

(Revision of ISO 24342:2018)

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| TC 221 | Geosynthetics |  |
| ISO/DIS 13426-2 | Geotextiles and geotextile-related products — Strength of internal structural junctions — Part 2: | 2023-08-02 |
|  | Geocomposites |  |
|  | (Revision of ISO 13426-2:2005) |  |

ISO/DIS 13431 Geotextiles and geotextile-related

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ISO 11277:2020/

DAmd 1

Soil quality — Determination of particle size distribution in mineral soil material — Method by sieving and sedimentation — Amend- ment 1

2023-08-21

products — Determination of tensile creep and creep rupture behaviour

(Revision of ISO 13431:1999)

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| TC 227 | Springs |  |
| ISO/DIS 22705-3 | Springs — Measurement and test parameters — Part 3: Cold formed cylindrical helical torsion springs | 2023-07-28 |
| TC 238 | Solid biofuels |  |

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ISO/DIS 23611-2 Soil quality — Sampling of soil

invertebrates — Part 2: Sampling and extraction of micro-arthropods (Collembola and Acarina)

(Revision of ISO 23611-2:2006)

ISO/DIS 23611-5 Soil quality — Sampling of soil

invertebrates — Part 5: Sam- pling and extraction of soil macro-invertebrates

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## TC 192 Gas turbines

ISO/DIS 3977-9 Gas turbines — Procurement

— Part 9: Reliability, availability,

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ISO/DIS 18847 Solid biofuels — Determination

of particle density of pellets and

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## TC 249 Traditional Chinese medicine

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## TC 197 Hydrogen technologies

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— General requirements for the

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## TC 261 Additive manufacturing

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* Environment, health, and safety
* Test method for determination of particle and chemical emission rates from desktop material extru- sion 3D printer

## TC 268 Sustainable cities and communities

ISO/DIS 37124 Sustainable cities and communi-

ties — Guidance on the use of ISO 37120 series of standards for cities

* ISO 37120, ISO 37122 and ISO 37123

TC 281 Fine bubble technology

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# FDIS circulated

Period from 01 May to 01 June 2023

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

\* Available in English only

Vote terminates

## TC 8 Ships and marine technology

ISO 20480-

1:2017/DAmd 1

Fine bubble technology — General principles for usage and measure- ment of fine bubbles — Part 1: Terminology — Amendment 1

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ISO/FDIS 5694 Ships and marine technology —

Deck covering

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## JTC 1 Information technology

ISO/PRF 22804 Marine technology — General

ISO/IEC DIS 5087-2

ISO/IEC DIS 24773-2

Information technology — City data model — Part 2: City level

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Software and systems engineer- ing — Certification of software and

technical requirement of marine conductivity-temperature-depth (CTD) measuring instrument

## TC 17 Steel

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depth of decarburization

ISO/IEC DIS 29110-1-1

ISO/IEC DIS 5927

systems engineering profession- als — Part 2: Guidance regarding description of knowledge, skills, and competencies contained in schemes

Systems and software engineer- ing — Lifecycle profiles for Very Small Entities (VSEs) — Part 1-1:

Overview

(Revision of ISO/IEC TR 29110-1:2016)

Augmented and Virtual Reality safety — Guidance on safe immer-

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(Revision of ISO 3887:2017)

## TC 20 Aircraft and space vehicles

ISO/FDIS 5879 Space systems — Ground test

for the separation between a launch vehicle and a spacecraft

— Requirements for combined separation tests, horizontal separa- tion tests and individual falling separation tests

ISO/FDIS 27026 Space systems — Programme man-

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sion, set up and usage 2023-08-02

Information technology — Au- tomatic identification and data cap-

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ture techniques — Aztec Code bar code symbology specification (Revision of ISO/IEC 24778:2008)

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ISO/FDIS 5110 Test method for flight stability of

a multi-copter unmanned aircraft system (UAS) under wind and rain conditions

ISO/FDIS 24354 General requirements for the pay-

load interface of civil unmanned

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ISO/IEC DIS 5212

ISO/IEC DIS 39075

ISO/IEC DIS 23773-3

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Information technology — Data- base languages — GQL

Information technology — User interfaces for automatic simultane-

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| TC 21 | Equipment for fire protection and fire fighting |  |
| ISO 7240-7 | Fire detection and alarm systems— Part 7: Point-type smoke detec- tors using scattered light, transmit- ted light or ionization |  |
|  | (Revision of ISO 7240-7:2018) |  |

## TC 22 Road vehicles

ISO/IEC DIS 5152

ous interpretation system — Part 3: System architecture

Information Technology — Bio- metric performance estimation methodologies using statistical models

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ISO 13400- 2:2019/PRF

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Road vehicles — Diagnostic com- munication over Internet Protocol (DoIP) — Part 2: Transport protocol and network layer services — Amendment 1

ISO/DTR 9839 Road vehicles — Application of

predictive maintenance to hard-

ware with ISO 26262-5 2023-07-19

ISO/FDIS 20653 Road vehicles — Degrees of

protection (IP code) — Protection

ISO/PRF 3657 Animal and vegetable fats and oils

— Determination of saponification value

(Revision of ISO 3657:2020) ISO/FDIS 24364 Royal jelly production

of electrical equipment against foreign objects, water and access (Revision of ISO 20653:2013)

ISO/FDIS 1726-3 Road vehicles — Mechanical

couplings between tractors and semi-trailers — Part 3: Require- ments for semi-trailer contact area to fifth wheel

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## TC 23 Tractors and machinery for agriculture and forestry

ISO 5676 Tractors and machinery for agri-

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## TC 35 Paints and varnishes

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## TC 37 Language and terminology

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## TC 28 Petroleum and related prod-

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— Semantic annotation frame- work (SemAF) — Part 14: Spatial semantics

## ucts, fuels and lubricants from natural or synthetic sources

ISO/PRF 4266-4 Petroleum and liquid petroleum

products — Measurement of level and temperature in storage tanks

## TC 38 Textiles

ISO/FDIS 5157 Textiles — Environmental aspects

— Vocabulary

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by automatic methods — Part 4: Measurement of temperature in atmospheric tanks

(Revision of ISO 4266-4:2002)

ISO/DTR 18588 Petroleum products — Characteri-

zation of marine fuels by viscosity

ISO/FDIS 17751-2

Textiles — Quantitative analysis of cashmere, wool, other specialty ani- mal fibres and their blends — Part 2: Scanning electron microscopy method

(Revision of ISO 17751-2:2016)

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## TC 30 Measurement of fluid flow in closed conduits

ISO/DTR 9464 Guidelines for the use of ISO

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ISO/DTR 15377 Measurement of fluid flow by

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## TC 41 Pulleys and belts (including veebelts)

ISO/FDIS 22721 Conveyor belts — Specification for

rubber- or plastics-covered con- veyor belts of textile construction for underground mining (Revision of ISO 22721:2007)

## TC 43 Acoustics

ISO/PRF 532-3 Acoustics — Methods for calculat-

ing loudness — Part 3: Moore-Glas- berg-Schlittenlacher method

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vices — Guidelines for the specifi- cation of orifice plates, nozzles and Venturi tubes beyond the scope of ISO 5167 series

(Revision of ISO/TR 15377:2018)

## TC 34 Food products

ISO/PRF 20631 Infant formula and adult nutrition-

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ISO/PRF 5537 Dried milk and dried milk products

— Determination of moisture content (reference method) (Revision of ISO 5537:2004)

ISO/FDIS 937 Meat and meat products — Deter-

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## TC 44 Welding and allied processes

ISO/PRF 3581 Welding consumables — Covered

electrodes for manual metal arc welding of stainless and heat-resist- ing steels — Classification

(Revision of ISO 3581:2016)

ISO/PRF 14172 Welding consumables — Covered

electrodes for manual metal arc welding of nickel and nickel alloys

— Classification

(Revision of ISO 14172:2015)

## TC 45 Rubber and rubber products

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(Revision of ISO 13145:2012)

Reference method 2023-07-19

(Revision of ISO 937:1978) ISO/FDIS 1442 Meat and meat products — Deter-

mination of moisture content —

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(Revision of ISO 1442:1997)

ISO 11235 Rubber compounding ingredients

— Sulfenamide accelerators — Test methods

(Revision of ISO 11235:2016)

ISO/FDIS 4633 Rubber seals — Joint rings for

water supply, drainage and sewer- age pipelines — Specification for materials

(Revision of ISO 4633:2015)

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ISO/FDIS 5978 Rubber- or plastics-coated fabrics

— Determination of blocking

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(Revision of ISO 5978:1990) ISO/FDIS 7231 Polymeric materials, cellular, flex-

ible — Determination of air flow

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## TC 48 Laboratory equipment

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## TC 58 Gas cylinders

ISO/DTS 24665 Playground and recreational areas

— Framework for the competence of playground inspectors and play- ground maintenance technicians

## TC 85 Nuclear energy, nuclear technologies, and radiological protection

ISO/FDIS 19238 Radiological protection — Per-

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ISO/FDIS 20956 Radiological protection — Low

dose rate calibration of instru- ments for environmental and area monitoring

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Gas cylinders — Compatibility of cylinder and valve materials with gas contents — Part 1: Metallic materials — Amendment 1

ISO/FDIS 22188 Monitoring for inadvertent

movement and illicit trafficking of

radioactive material 2023-07-12

(Revision of ISO 22188:2004)

## TC 60 Gears

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ISO/FDIS 10300-1

ISO/FDIS

Calculation of load capacity of bevel gears — Part 1: Introduction

and general influence factors 2023-07-12

(Revision of ISO 10300-1:2014) Calculation of load capacity of

criticality accident alarm systems

for operations 2023-07-19

(Revision of ISO 7753:1987)

## TC 92 Fire safety

10300-2

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surface durability (macropitting) 2023-07-12

(Revision of ISO 10300-2:2014)

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24679-5

Fire safety engineering — Perfor-

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tooth root strength 2023-07-12

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## TC 96 Cranes

ISO/FDIS 23853 Cranes — Training of slingers and signallers

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## TC 61 Plastics

ISO/PRF 6186 Plastics — Determination of

pourability

(Revision of ISO 6186:1998) ISO/PRF 7059 Caprolactam for industrial use —

Determination of absorbance at a wavelength of 290 nm

(Revision of ISO 23853:2018)

## TC 106 Dentistry

ISO/FDIS 24395 Dentistry — Classification of tooth

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ISO/FDIS 4865-1 Dentistry — Part 1: General

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(Revision of ISO 7059:1982)

ISO/PRF 8112 Caprolactam for industrial use —

Determination of colour of 50 % aqueous caprolactam solution, expressed in Hazen units (plati- num-cobalt scale) — Spectrometric method

(Revision of ISO 8112:1984)

ISO/PRF 4410 Test methods for the experimental

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## TC 107 Metallic and other inorganic coatings

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ISO/FDIS 5154 Decorative metallic coatings for

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## TC 68 Financial services

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(Revision of ISO 8583-1:2003, ISO 8583-3:2003, ISO 8583-2:1998)

tion products — Designation and

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## TC 121 Anaesthetic and respiratory equipment

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## TC 83 Sports and other recreational facilities and equipment

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Requirements for sleeping bags

— Part 2: Fabric and material

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## TC 130 Graphic technology

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Graphic technology — Multi- spectral imaging measurement and colorimetric computation for graphic arts and industrial ap-

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ISO/FDIS 6742-1 Cycles — Lighting and retro-reflec-

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(Revision of ISO 6742-1:2015) ISO/FDIS 6742-2 Cycles — Lighting and retro-reflec-

## TC 131 Fluid power systems

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general use — Assembly instruc- tions for connectors with adjust- able stud ends and O-ring sealing (Revision of ISO/TS 11686:2017)

## TC 134 Fertilizers, soil conditioners and

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tive devices — Part 2: Retro-reflec-

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(Revision of ISO 6742-2:2015, ISO 6742-2:2015/Amd 1:2018)

ISO/FDIS 6742-3 Cycles — Lighting and retro-reflec-

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## beneficial substances

ISO/FDIS 6650 Fertilizers, soil conditioners and

beneficial substances — Simultane- ous determination of N-(n-Butyl) thiophosphoric triamide and dicy- andiamide by high-performance liquid chromatography

TC 135 Non-destructive testing

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(Revision of ISO 6742-3:2015)

ISO/FDIS 6742-4 Cycles — Lighting and retro-re-

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(Revision of ISO 6742-4:2015)

ISO/FDIS 6742-5 Cycles — Lighting and retro-re-

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[TC 136 Furniture](#_TOC_250001)

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[TC 138 Plastics pipes, fittings and valves for the transport of fluids](#_TOC_250000)

ISO/PRF 8513 Plastics piping systems — Glass-

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ISO/FDIS 11243 Cycles — Luggage carriers for

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## TC 150 Implants for surgery

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tion and verification of synthetic anatomical bone models for testing

reinforced thermosetting plastics (GRP) pipes — Test methods for the determination of the initial longitu- dinal tensile strength

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Cardiovascular implants and extra- corporeal systems — Centrifugal blood pumps — Amendment 1: Worst-case conditions for testing

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(Revision of ISO 8513:2016)

## TC 142 Cleaning equipment for air and other gases

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air and other gases — Require- ments and application guidance for deodorization in wastewater treatment plants

## TC 145 Graphical symbols

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## TC 153 Valves

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actuator attachments

(Revision of ISO 5210:2017) ISO/FDIS 5211 Industrial valves — Part-turn actua-

tor attachments

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Graphical symbols — Safety col- ours and safety signs — Registered safety signs — Amendment 7

(Revision of ISO 5211:2017)

## TC 159 Ergonomics

TC 147 Water quality

ISO/PRF TS 7013 Water quality — Guidance and

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ISO/FDIS 15535 General requirements for establish-

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(Revision of ISO 15535:2012)

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ISO/FDIS 17294-2

of analytical methods

Water quality — Application of inductively coupled plasma mass spectrometry (ICP-MS) — Part 2: Determination of selected ele- ments including uranium isotopes (Revision of ISO 17294-2:2016)

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ISO/FDIS 20685-2

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ISO/FDIS 4722-1 Water quality — Thorium 232 —

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Ergonomics of human-system inter- action — Part 221: Human-centred

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Cleanrooms and associated

controlled environments — Part 21: Airborne particle sampling techniques

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## TC 164 Mechanical testing of metals

ISO/FDIS 6507-1 Metallic materials — Vickers hard-

ness test — Part 1: Test method

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ISO/DTS 19096 Metallic materials — Instrumented

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Health informatics — Medi- cal waveform format — Part 2:

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## TC 172 Optics and photonics

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## TC 228 Tourism and related services

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Requirements for artificial open

ISO/FDIS 8424 Raw optical glass — Resistance to

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— Test method and classification 2023-06-28

water sites 2023-07-24

TC 229 Nanotechnologies

(Revision of ISO 8424:1996)

ISO 24013 Optics and photonics — Lasers and laser-related equipment — Meas- urement of phase retardation of optical components for polarized

ISO/PRF TS 10818

Nanotechnologies — Textiles containing nanomaterials and nanostructures — Superhydropho- bic characteristics and durability assessment

laser radiation

(Revision of ISO 24013:2006)

## TC 182 Geotechnics

TC 260 Human resource management

ISO/FDIS 30435 Human resource management —

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ISO/FDIS 18674-8

Geotechnical investigation and testing — Geotechnical monitoring by field instrumentation — Part 8:

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TC 261 Additive manufacturing

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## TC 184 Automation systems and integration

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Additive manufacturing — Test artifacts — Geometric capability assessment of additive manufactur- ing systems

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ISO/DPAS 24644-1

Mass customization value chain management — Part 1: Framework

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(Revision of ISO/ASTM 52902:2019)

## TC 262 Risk management

ISO/DTS 31050 Risk management — Guidelines

TC 190 Soil quality

ISO/FDIS 11267 Soil quality — Inhibition of

reproduction of Collembola (<i>Folsomia candida</i>) by soil contaminants

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## TC 193 Natural gas

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## TC 268 Sustainable cities and communities

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ISO/DTR 17910 Natural gas - Coal-based synthetic

natural gas quality designation and the applicability of ISO/TC 193 standards

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Determination of drag reduction in laboratory for slick water

## TC 204 Intelligent transport systems

ISO/DTR 12770 Intelligent transport systems —

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## TC 274 Light and lighting

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ing of lighting systems in buildings – Explanation and justification of ISO/TS 21274

## TC 279 Innovation management

ISO/DTS 56010 Innovation management — Illus-

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|  | Mobility integration — ITS dataaggregation role and functional | 2023-07-21 |  | trative examples of ISO 560002023-07-14 |
| model |  |  |  |
| ISO/DTS | Intelligent transport systems — |  | TC 292 | Security and resilience |
| 23374-2 | Automated valet parking systems (AVPS) — Part 2: Security integra- tion for type 3 AVP | 2023-07-20 |  |  |

ISO/FDIS 22343-1

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Security and resilience — Vehicle security barriers — Part 1: Perfor- mance requirement, vehicle impact test method and performance rating

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Information technology — Da- tabase languages SQL — Part 3: Call-Level Interface (SQL/CLI)

Information technology — Da- tabase languages SQL — Part 4: Persistent stored modules (SQL/ PSM)

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ISO/FDIS 22376 Security and resilience — Authen-

ticity, integrity and trust for prod-

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Information technology — Da- tabase languages SQL — Part 9: Management of External Data (SQL/MED)

ucts and documents — Specifica- tion and usage of visible digital seal (VDS) data format for authentica- tion, verification and acquisition

of data carried by a document or object

## TC 298 Rare earth

ISO/FDIS 23596 Rare earth — Determination of rare

earth content in individual rare earth metals and their compounds

— Gravimetric method

ISO/FDIS 23597 Rare earth — Determination of rare

earth content in individual rare earth metals and their oxides — Titration method

## TC 307 Blockchain and distributed ledger technologies

ISO/TR 6039 Blockchain and distributed ledger

technologies — Identifiers of subjects and objects for the design of blockchain systems

## TC 321 Transaction assurance in E-commerce

ISO/FDIS 32110 Transaction assurance in E-com-

merce — Vocabulary

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Information technology — Data- base languages SQL — Part 10: Object language bindings (SQL/ OLB)

Information technology — Data- base languages SQL — Part 11: Information and definition schemas (SQL/Schemata)

Information technology — Data- base languages SQL — Part 13: SQL Routines and types using the Java TM programming language (SQL/ JRT)

Information technology — Data- base languages SQL — Part 14: XML-Related Specifications (SQL/ XML)

Information technology — Data- base languages SQL — Part 15: Multidimensional arrays (SQL/MDA)

Information technology — Data- base languages SQL — Part 16: Property Graph Queries (SQL/PGQ)

Information technology — Meta- model framework for interoperabil- ity (MFI) — Part 1: Framework (Revision of ISO/IEC 19763-1:2015)

Information technology — Top- level ontologies (TLO) — Part 4:

ISO/IEC PRF 5021-1

ISO/IEC PRF TS 5147

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Telecommunications and informa- tion exchange between systems — Wireless LAN access control — Part 1: Networking architecture

Information technology — Com- puter graphics, image processing and environmental data represen- tation — Guidelines for represen- tation and visualization of smart cities

Information technology — MPEG systems technologies — Part 7: Common encryption in ISO base

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Information technology – Identity attributes verification services —

Part 2: RESTful specification 2023-07-13

ISO/IEC FDIS 23090-12

ISO/IEC 23094- 1:2020/FDAmd

media file format files

(Revision of ISO/IEC 23001-7:2016, ISO/IEC 23001-7:2016/Amd 1:2019)

Information technology — Coded representation of immersive media

— Part 12: MPEG immersive video 2023-07-04

Information technology — General video coding — Part 1: Essential

# Standards published

New International Standards published between 01 May and 01 June 2023

1. delayed publication of language version
2. corrected version
3. multilingual document

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ISO/IEC 9075-1:2023

ISO/IEC 9075-2:2023

video coding — Amendment 1: Green metadata supplemental enhancement information

Information technology — Da- tabase languages SQL — Part 1: Framework (SQL/Framework)

Information technology — Da- tabase languages SQL — Part 2: Foundation (SQL/Foundation)

2023-07-07

## TC 6 Paper, board and pulps

Price group

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ISO 8784-2:2023 | en fr | Pulp, paper and board — Microbiologi- cal examination — Part 2: Enumeration of bacteria, yeast and mould on surface | A | ISO 23460:2023 | en | Space projects — Programme manage- ment — Dependability assurance requirements | C |
| ISO12625-12:2023 | en fr | Tissue paper and tissue products — Part 12: Determination of tensile strengthof perforated lines and calculation ofperforation efficiency | C | ISO 24113:2023 | en | Space systems — Space debris mitiga- tion requirements | B |
| TC 8 |  | Ships and marine technology |  | ISO 4358:2023 | en | Test methods for civil multi-copter |  |

ISO

23780-1:2023

ISO

24409-4:2023

en Ships and marine technology — Pro- fr cedure for testing the performance of

continuous monitoring TRO sensors used in ships — Part 1: DPD sensors

en Ships and marine technology — Design, fr location and use of shipboard safety

signs, fire control plan signs, safety notices and safety markings — Part 4: Escape plan signs used for general emergency information

unmanned aircraft system

D

D

ISO 24352:2023 en Technical requirements for small un-

manned aircraft electric energy systems

D

C

ISO 24355:2023 en Flight control system for civil small and

light multicopter unmanned aircraft

system (UAS) — General requirements B

ISO 4853:2023 en Ships and marine technology — A-

frame launch and recovery system

## TC 22 Road vehicles

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| B | ISO 23150:2023 | en | Road vehicles — Data communication |  |
|  |  | between sensors and data fusion unit |
| ISO 4857:2023 | en | Ships and marine technology — Test procedures and methods for windlasses |  |  |  | for automated driving functions — Logi- cal interface | H |
| ISO 4861:2023 | en | and winchesShips and marine technology — Piling | B | ISO27145-6:2023 | en | Road vehicles — Implementation of World-Wide Harmonized On-Board Diagnostics (WWH-OBD) communica- | E |
|  |  | barge winches | B |  |  | tion requirements — Part 6: External test equipment |  |
| ISO 5528:2023 | en | Ships and marine technology — Deep- |  | ISO11451-5:2023 | en | Road vehicles — Vehicle test methods for electrical disturbances from narrow- |  |
|  |  | sea hydraulic winch equipment | B |  |  | band radiated electromagnetic energy— Part 5: Reverberation chamber | H |
| ISO 5540:2023 | en | Ships and marine technology — Sea- |  | ISO19642-11:2023 | en | Road vehicles — Automotive cables — Part 11: Dimensions and requirements |  |
|  |  | going vessels — Dual traction/stowage winches for oceanographic research | B |  |  | for coaxial RF cables with a specified analogue bandwidth up to 6 GHz (20 GHz) | G |
| ISO 9875:2023 | en | Ships and marine technology — Marine echo-sounding equipment | E | ISO19642-12:2023 | en | Road vehicles — Automotive cables — Part 12: Dimensions and requirements for unscreened twisted pair RF cables with a specified analogue bandwidth up | E |
| ISO 24681:2023 | en | Ships and marine technology — Fibre- reinforced plastic gratings |  | ISO 23820:2023 | en | to 1 GHzDetermination of the filtration efficiency |  |
|  |  |  | C |  |  | of urea filter modules | D |

tion of limit deviations B

|  |  |  |  |
| --- | --- | --- | --- |
| TC 10ISO 8887-2:2023 | en | Technical product documentationTechnical product documentation — |  |
|  |  | Design for manufacturing, assembling, disassembling and end-of-life process- ing — Part 2: Vocabulary | A |
| ISO 6284:2023 | en | Technical product documentation — Construction documentation — Indica- |  |

## TC 20 Aircraft and space vehicles

ISO 3323:2023 en Aircraft — Hydraulic components —

Marking to indicate the fluid for which a component is approved A

motorcycles — Part 7: Standardized procedures for performing computer simulations of motorcycle impact tests

— Amendment 2: Correlation factors

|  |  |  |  |
| --- | --- | --- | --- |
| ISO/TR 5340:2023 | en | Motorcycles — Consideration for use cases of ISO 26262-12 MSIL classification | C |
| ISO 13232- 7:2005/Amd2:2023 | en | Motorcycles — Test and analysis procedures for research evaluation of rider crash protective devices fitted to | XZ |

## TC 23 Tractors and machinery for agricul- ture and forestry

ISO

14624-5:2023

en Space systems — Safety and compat- ibility of materials — Part 5: Determina- tion of reactivity of system/component

ISO 6534:2023 en

fr

B

Forestry machinery — Portable

chain-saw hand-guards — Mechanical

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materials with aerospace propellants

ISO 17401:2023 en Space systems — Spacecraft interface

requirements document for launch

vehicle services D

## TC 28 Petroleum and related products, fuels and lubricants from natural or synthetic sources

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ISO 3679:2022 | fr | Determination of flash point – Method for flash no-flash and flash point by small scale closed cup tester | E | ISO 11620:2023 | en | Information and documentation — Library performance indicators | H |
| ISO 11007- | en | Petroleum products and lubricants — |  | TC 54 |  | Essential oils |  |

1:2021/Amd

1:2023

fr Determination of rust-prevention char-

acteristics of lubricating greases — Part XZ 1: Dynamic wet conditions — Amend-

|  |  |  |  |
| --- | --- | --- | --- |
| ISO 210:2023 | en | Essential oils — General requirements |  |
|  |  | and guidelines for packaging, condition- |  |
| ISO 211:2023 | en | ing and storageEssential oils — General requirements | B |

ment 1: Test bearings

ISO 4266-1:2023 en Petroleum and liquid petroleum

products — Measurement of level and temperature in storage tanks by auto- matic methods — Part 1: Measurement of level in atmospheric tanks

## TC 34 Food products

D for labelling and marking of containers

A

## TC 58 Gas cylinders

ISO

22935-1:2023

en Milk and milk products — Sensory anal- ysis — Part 1: Recruitment, selection,

training and monitoring of assessors C

ISO 11119- 2:2020/Amd

1:2023

en Gas cylinders — Design, construction and testing of refillable composite gas

cylinders and tubes — Part 2: Fully XZ wrapped fibre reinforced composite

gas cylinders and tubes up to 450 l with

ISO 5671:2023 en Spices and condiments — Dried chive

(<i>Allium schoenoprasum </i>L.), cut

and ground — Specification A

load-sharing metal liners — Amend- ment 1

TC 61 Plastics

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| TC 36ISO 5926:2023 | en fr | CinematographyTechnical requirements and test methods for digital cinema stereoscopic |  | ISO 179-1:2023 | en fr | Plastics — Determination of Charpy impact properties — Part 1: Non-instru- mented impact test | D |
| TC 38 |  | projectionTextiles | A | ISO 180:2023 | en fr | Plastics — Determination of Izod impact strength | C |
| ISO 4484-3:2023 | en fr | Textiles and textile products — Micro- plastics from textile sources — Part 3: |  | ISO 22183:2023 | en | Plastics — Validation of force-time |  |
|  |  | Measurement of collected material mass released from textile end products by domestic washing method | E |  |  | curves obtained from high-speed tensile tests | D |
| ISO 18782:2023 | en fr | Textiles — Determination of dynamic hygroscopic heat generation | C | ISO 6076:2023 | en fr | Adhesives — Installation of floor coverings, wood flooring, levelling compounds and tiles — Specification of trowel notch sizes | B |
| TC 42 |  | Photography |  | ISO 7972:2023 | en | Adhesives — Absorption of water into |  |

ISO/TS

21139-22:2023

en Permanence and durability of commer- cial prints — Part 22: Backlit display in indoor or shaded outdoor conditions — Light stability

an adhesive layer using an open-faced

specimen and determination of shear B

E strength by secondary bonding

ISO 2113:2023 en Reinforcement fibres — Woven fabrics

## TC 44 Welding and allied processes

ISO 25980:2023 en Health and safety in welding and allied

processes — Transparent welding cur- tains, strips and screens for arc welding

— Requirements and specifications

B

ISO 5430:2023 en Plastics — Ecotoxicity testing scheme

C for soluble decomposition intermedi-

processes

## TC 45 Rubber and rubber products

ISO 6804:2023 en Rubber and plastics inlet hoses and hose

assemblies for washing-machines and dishwashers — Specification C

ISO

22526-4:2023

ates from biodegradable plastic materi- C als and products used in the marine

environment — Test methods and requirements

en Plastics — Carbon and environmental footprint of biobased plastics — Part

ISO 2322:2023 en

fr

Styrene-butadiene rubber (SBR) —

Emulsion- and solution-polymerized

types — Evaluation procedures C

4: Environmental (total) footprint (Life D cycle assessment)

## TC 67 Oil and gas industries including lower carbon energy

ISO 3136:2023 en Rubber latex — Styrene-butadiene

— Determination of bound styrene

content A

ISO 19043:2023 en Natural rubber latex concentrate — De-

ISO

18797-2:2021

fr Petroleum, petrochemical and natural gas industries — External corrosion

protection of risers by coatings and G linings — Part 2: Maintenance and field

repair coatings for riser pipes

termination of total phosphate content

by spectrophotometric method B

## TC 46 Information and documentation

ISO 6338:2023 en Method to calculate GHG emissions at

LNG plant

E

## TC 82 Mining

ISO

22932-4:2023

en Mining — Vocabulary — Part 4: Pros- pecting and exploration

ISO

20297-2:2023

A

en Industrial trucks — Lorry-mounted trucks — Part 2: Safe use requirements

C

## TC 83 Sports and other recreational facili- ties and equipment

ISO 4980:2023 en Benefit-risk assessment for sports and

recreational facilities, activities and

equipment F

## TC 131 Fluid power systems

ISO 12238:2023 fr Pneumatic fluid power — Directional

control valves — Measurement of shift-

ing time C

##  TC 136 Furniture

TC 85 Nuclear energy, nuclear technolo- gies, and radiological protection

ISO 9098-1:2023 en Bunk beds and high beds — Safety

requirements and tests — Part 1: Safety

ISO/ASTM 51539:2023

en Guidance for use of radiation-sensitive indicators

requirements C

1. ISO 9098-2:2023 en Bunk beds and high beds — Safety

requirements and tests — Part 2: Test

ISO 20045:2023 en

Measurement of the radioactivity in

methods C

fr the environment — Air: tritium — Test

method using bubbler sampling E

TC 146 Air quality

## TC 86 Refrigeration and air-conditioning

ISO 15259:2023 en

fr

Air quality — Measurement of station- ary source emissions — Requirements

ISO 6369:2023 en

fr

Ice makers for commercial use —

Classification, requirements and test

conditions B

for measurement sections and sites and G for the measurement objective, plan

and report

ISO 11174:2023 en Workplace air — Determination of

## TC 94 Personal safety -- Personal protec- tive equipment

ISO 11610:2023 Protective clothing — Vocabulary

## TC 106 Dentistry

particulate cadmium and cadmium

compounds — Flame and electrother- D mal atomic absorption spectrometric

method

## A TC 147 Water quality

ISO 5667-1:2023 fr Water quality — Sampling — Part 1:

Guidance on the design of sampling

ISO/TS 4640:2023

en Dentistry — Test methods for tensile fr bond strength to tooth structure

C

programmes and sampling techniques F

## TC 150 Implants for surgery

ISO 7551:2023 en

fr

Dentistry — Endodontic absorbent points

ISO/PAS 7020:2023

B

en Sizing parameters of surgical valve prostheses: Requirements regarding the

application of ISO 5840-2 B

ISO

en Dentistry — Dental furnace — Part 3:

## TC 161 Controls and protective devices for gaseous and liquid fuels

13078-3:2023

ISO 3630-3:2021 en

Test method for the evaluation of high temperature sintering furnace measure- ment with a separate thermocouple

Dentistry — Endodontic instruments —

ISO

A 23551-8:2023

en Safety and control devices for gas burners and gas-burning appliances

— Particular requirements — Part 8: E Multifunctional controls

fr

ISO 5139:2023 en

fr

Part 3: Compactors

Dentistry — Polymer-based composite machinable blanks

B TC 164 Mechanical testing of metals

ISO 9649:2023 en Metallic materials — Wire — Reverse

torsion test

A

C

ISO 23298:2023 en

fr

Dentistry — Test methods for machin- ing accuracy of computer-aided milling

machines F

ISO 3785:2023 en

fr

ISO 14556:2023 en

Metallic materials — Designation of test specimen axes in relation to product

texture B

Metallic materials — Charpy V-notch

## TC 107 Metallic and other inorganic coatings

fr pendulum impact test — Instrumented

test method D

ISO 15730:2023 en

fr

Metallic and other inorganic coatings — Electropolishing as a means of smooth-

ing and passivating stainless steel B

## TC 171 Document management applications

ISO 4669-1:2023 en Document management — Information

## TC 110 Industrial trucks

ISO 6055:2023 fr Industrial trucks — Overhead guards —

Specification and testing

ISO/TS

C 32003:2023

classification, marking and handling —

Part 1: Requirements E

en Document management — Portable Document Format — Adding support of

AES-GCM in PDF 2.0 A

## TC 173 Assistive products

|  |  |  |  |
| --- | --- | --- | --- |
| ISO7176-31:2023 | en | Wheelchairs — Part 31: Lithium-ion bat- tery systems and chargers for powered wheelchairs — Requirements and test methods | B |
| ISO/TS16840-14:2023 | en | Wheelchair seating — Part 14: Concepts related to managing external forces to maintain tissue integrity | B |

ISO

21219-15:2023

|  |  |  |
| --- | --- | --- |
|  | port protocol experts group, genera- tion 2 (TPEG2) — Part 15: Traffic event compact (TPEG2-TEC) | G |
| ISO21219-16:2023 | en | Intelligent transport systems — Traffic and travel information (TTI) via trans- port protocol experts group, generation 2 (TPEG2) — Part 16: Fuel price informa- tion and availability (TPEG2-FPI) | G |

en Intelligent transport systems — Traffic and travel information (TTI) via trans-

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TC 178ISO/TR | en | Lifts, escalators and moving walksComparison of worldwide escalator and |  |  | ISO21219-17:2023 | en | Intelligent transport systems — Traffic and travel information via transport |  |
| 14799-2:2023 |  | moving walk safety standards — Part 2: Abbreviated comparison and comments | H |  |  |  | protocol experts group, generation 2 (TPEG2) — Part 17: Speed information (TPEG2-SPI) | E |
| TC 181 |  | Safety of toys |  |  | TC 207 |  | Environmental management |  |
| ISO 8124-2:2023 | en | Safety of toys — Part 2: Flammability | E |  | ISO14002-2:2023 | en fr | Environmental management systems— Guidelines for using ISO 14001 to address environmental aspects and con- ditions within an environmental topic | E |

ISO

8124-10:2023

en Safety of toys — Part 10: Experimental sets for chemistry and related activities

area — Part 2: Water

## TC 212 Clinical laboratory testing and in

D vitro diagnostic test systems

TC 182 Geotechnics

ISO 20658:2023 en

fr

Requirements for the collection and transport of samples for medical labora-

ISO

fr Geotechnical investigation and testing

tory examinations F

22476-1:2022 — Field testing — Part 1: Electrical cone

and piezocone penetration test G

## TC 213 Dimensional and geometrical prod- uct specifications and verification

ISO

22476-5:2023

fr Geotechnical investigation and test- ing — Field testing — Part 5: Prebored

pressuremeter test F

ISO 3611:2023 en

fr

Geometrical product specifications (GPS) — Dimensional measuring equip-

ment — Design and metrological char- C acteristics of micrometers for external

## TC 189 Ceramic tile

measurements

ISO

17889-2:2023

en Ceramic tiling systems — Sustain- ability for ceramic tiles and installation materials — Part 2: Specification for tile installation materials

ISO 8062-4:2023 en Geometrical product specifications

(GPS) — Dimensional and geometrical

E tolerances for moulded parts — Part F 4: Rules and general tolerances for

castings using profile tolerancing in a

## TC 193 Natural gas

general datum system

ISO 2613-1:2023 en

fr

Analysis of natural gas — Silicon content of biomethane — Part 1: Determina-

## TC 215 Health informatics

tion of total silicon by atomic emission spectroscopy (AES)

## TC 204 Intelligent transport systems

ISO 17386:2023 en Intelligent transport systems — Ma-

noeuvring aids for low-speed operation (MALSO) — Performance requirements and test procedures

ISO 21177:2023 fr Intelligent transport systems — ITS

station security services for secure ses- sion establishment and authentication between trusted devices

C ISO/TR

24290:2023

ISO/TS 4425:2023

D

ISO/TS

H 8392:2023

en Health informatics — Datasets and

data structure for clinical and biological evaluation metrics in radiotherapy B

en Genomics informatics — Data elements and their metadata for describing the

microsatellite instability (MSI) informa- D tion of clinical massive parallel DNA

sequencing

en Genomics informatics — Description rules for genomic data for genetic

detection products and services C

ISO en Intelligent transport systems — Traffic

21219-9:2023

and travel information (TTI) via trans- port protocol experts group, generation 2 (TPEG2) — Part 9: Service and network

## TC 224 Drinking water, wastewater and

G stormwater systems and services

ISO

21219-10:2023

information (TPEG2-SNI)

en Intelligent transport systems — Traffic and travel information (TTI) via trans- port protocol experts group, generation

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 2 (TPEG2) — Part 10: Conditional access |  | TC 229 |  | Nanotechnologies |  |
| ISO | en | information (TPEG2-CAI)Intelligent transport systems — Traffic |  | ISO 19337:2023 | en | Nanotechnologies — Characteristics of working suspensions of nano-objects |  |
| 21219-14:2023 |  | and travel information (TTI) via trans- port protocol experts group, generation | G |  |  | for in vitro assays to evaluate inherentnano-object toxicity | C |

ISO 24540:2023 en

fr

B

Principles for effective and efficient cor-

porate governance of water utilities

E

2 (TPEG2) — Part 14: Parking informa- tion (TPEG2-PKI)

ISO/TS 20477:2023

en Nanotechnologies — Vocabulary for cellulose nanomaterial

A

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ISO/TS | en | Nanotechnologies — Performance |  |  | ISO 50006:2023 | en | Energy management systems — Evalu- |  |
| 23366:2023 |  | evaluation requirements for quantifying |  |  |  | fr | ating energy performance using energy |
|  |  | biomolecules using fluorescent nano- | C |  |  |  | performance indicators and energy | F |
|  |  | particles in immunohistochemistry |  |  |  |  | baselines |  |
| TC 249 |  | Traditional Chinese medicine |  |  | TC 304 |  | Healthcare organization |  |

ISO 4564:2023 en Traditional Chinese medicine —

<i>Scutellaria baicalensis</i> root

## management

ISO 5741:2023 en Healthcare organization management B — Pandemic response — Temporary

medical facility C

## TC 256 Pigments, dyestuffs and extenders

ISO 3262-8:2023 en

fr

Extenders — Specifications and meth- ods of test — Part 8: Natural clay

## TC 307 Blockchain and distributed ledger technologies

1. ISO 22739:2020 fr Blockchain and distributed ledger tech-

nologies — Vocabulary

ISO

3262-13:2023

ISO

3262-15:2023

en Extenders — Specifications and meth- ods of test — Part 13: Natural quartz

(ground) A

en Extenders — Specifications and meth- ods of test — Part 15: Vitreous silica

A

ISO/TR 23644:2023

A

en Blockchain and distributed ledger technologies (DLTs) — Overview of

trust anchors for DLT-based identity D management

|  |  |  |  |
| --- | --- | --- | --- |
| CASCO |  | Committee on conformity assessment |  |
| ISO/IEC 17043:2023 | en fr | Conformity assessment — General requirements for the competence of proficiency testing providers | F |

ISO

3262-16:2023

ISO

3262-21:2023

en Extenders — Specifications and methods of test — Part 16: Aluminium

hydroxides A

en Extenders — Specifications and methods of test — Part 21: Silica sand

## JTC 1 Information technology

(unground natural quartz) A

## TC 260 Human resource management

ISO/IEC 5965:2023

en Information technology — Swordfish Scalable Storage Management API

Specification H

ISO 30405:2023 en

fr

Human resource management — Guidelines on recruitment

ISO/IEC/IEEE

C 15288:2023

en Systems and software engineering — System life cycle processes

H

ISO 56000:2020 es Innovation management — Fundamen-

tals and vocabulary

## TC 281 Fine bubble technology

8652:2023

F

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| --- | --- | --- | --- | --- | --- | --- | --- |
| TC 276ISO/TS | en | BiotechnologyBiotechnology — General require- |  | ISO/IEC/IEEE 24641:2023 | en | Systems and Software engineering — Methods and tools for model-based |  |
| 23511:2023 |  | ments and considerations for cell line authentication | C |  |  | systems and software engineering | H |
| ISO 24190:2023 | en | Biotechnology — Analytical methods — |  | ISO/IEC/IEEE 24748-9:2023 | en | Systems and software engineering— Life cycle management — Part 9: |  |
|  |  | Risk-based approach for method selec- tion and validation for rapid microbial detection in bioprocesses | F |  |  | Application of system and software life cycle processes in epidemic prevention and control systems | F |
| ISO/TS 24420:2023 | en | Biotechnology — Massively parallel DNA sequencing — General require- ments for data processing of shotgun metagenomic sequences | C | ISO/IEC TS 23465-3:2023 | en | Card and security devices for personal identification — Programming interface for security devices — Part 3: Proxy | D |
| TC 279 |  | Innovation management |  | ISO/IEC | en | Information technology — Program- |  |

ISO/IEC TR

27563:2023

ming languages — Ada

H

en Security and privacy in artificial intel- ligence use cases — Best practices

E

ISO/TS

21256-4:2023

en Fine bubble technology — Cleaning ap- plications — Part 4: Test method for oil

removal from polyester-based textile C

ISO/IEC 29134:2023

en Information technology — Security techniques — Guidelines for privacy

impact assessment F

## TC 282 Water reuse

ISO 24575:2023 en General principles and guidelines for

cost analysis in planning of decentral-

ized wastewater treatment and/or reuse D

## TC 301 Energy management and energy savings

ISO/IEC 29146:2016

ISO/IEC 29146:2016/ Amd 1:2022

fr Information technology — Security techniques — A framework for access

management E

fr Information technology — Security techniques — A framework for access

management — Amendment 1 XZ

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ISO/IEC 29184:2020 | fr | Information technology — Online privacy notices and consent | D | ISO/IEC15944-21:2023 | en | Information technology — Business operational view — Part 21: Guidance on the application of the Open-edi busi- ness transaction ontology in distributed | D |
| ISO/IEC 15444-9:2023 | en | Information technology — JPEG 2000 image coding system — Part 9: Interac- |  | ISO/IEC | en | business transaction repositoriesInformation technology — User inter- |  |
|  |  | tivity tools, APIs and protocols | H | 17549-3:2023 |  | face requirements and recommenda- tions on menu navigation — Part 3: | B |
| ISO/IEC 23008-9:2023 | en | Information technology — High ef- ficiency coding and media delivery in |  | ISO/IEC | en | Navigation with one-direction devicesInformation technology — User inter- |  |
|  |  | heterogeneous environments — Part 9: 3D Audio conformance testing | H | 24661:2023 |  | faces — Full duplex speech interaction | D |
| ISO/IEC 16388:2023 | en | Information technology — Automatic identification and data capture tech- |  | ISO/IEC TS | en | Information technology — Biometric |  |
|  |  | niques — Code 39 bar code symbology specification | C | 22604:2023 |  | recognition of subjects in motion in access-related systems | C |
| ISO/IEC 17360:2023 | en | Automatic identification and data capture techniques — Supply chain |  | ISO/IEC TR | en | Information technology — Data centres |  |
|  |  | applications of RFID — Product tagging, product packaging, transport units, re- turnable transport units and returnable packaging items | F | 30133:2023 |  | — Practices for resource-efficient data centres | C |
| ISO/IEC 9075-1:2023 | en | Information technology — Database languages SQL — Part 1: Framework (SQL/Framework) | G |  |  |  |  |
| ISO/IEC 9075-2:2023 | en | Information technology — Database languages SQL — Part 2: Foundation |  |  |  |  |  |

ISO/IEC 9075-3:2023

(SQL/Foundation) H

en Information technology — Database languages SQL — Part 3: Call-Level

Interface (SQL/CLI) H

# Standards confirmed

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

ISO/IEC en Information technology — Database

9075-4:2023

ISO/IEC 9075-9:2023

ISO/IEC

9075-10:2023

ISO/IEC

9075-11:2023

ISO/IEC

9075-13:2023

languages SQL — Part 4: Persistent

stored modules (SQL/PSM) H

en Information technology — Database languages SQL — Part 9: Management

of External Data (SQL/MED) H

en Information technology — Database languages SQL — Part 10: Object lan-

guage bindings (SQL/OLB) H

en Information technology — Database languages SQL — Part 11: Information

and definition schemas (SQL/Schemata) H

en Information technology — Database languages SQL — Part 13: SQL Routines

## TC 5 Ferrous metal pipes and metallic fittings

ISO 7005-1:2011 (reconfirmed)

ISO 7005-2:1988 (reconfirmed)

## TC 20 Aircraft and space vehicles

ISO 11241:1994 (reconfirmed)

ISO 10583:1993 (reconfirmed)

ISO 16363:2012 (reconfirmed)

## TC 22 Road vehicles

ISO 15765-5:2021

## TC 27 Coal and coke

ISO 561:1989 (reconfirmed)

## TC 28 Petroleum and related products, fuels and lubricants from natural or synthetic sources

ISO/IEC

9075-14:2023

and types using the Java TM program- ming language (SQL/JRT)

en Information technology — Database languages SQL — Part 14: XML-Related

H ISO 17315:2014

## TC 29 Small tools

ISO 6751:2011 (reconfirmed)

ISO/IEC

9075-15:2023

ISO/IEC

9075-16:2023

ISO/IEC

15944-10:2023

Specifications (SQL/XML) H

en Information technology — Database languages SQL — Part 15: Multidimen-

sional arrays (SQL/MDA) H

en Information technology — Database languages SQL — Part 16: Property

Graph Queries (SQL/PGQ) H

en Information technology — Business operational view — Part 10: IT-enabled

ISO 6752:2008 (reconfirmed)

ISO 8694:2011 (reconfirmed)

ISO 10242-1:2011 (reconfirmed)

## TC 31 Tyres, rims and valves

ISO 3877-3:1978 (reconfirmed)

ISO 3877-4:1984 (reconfirmed)

ISO 4223-1:2017

ISO 4223-2:1991 (reconfirmed)

## TC 34 Food products

coded domains as semantic compo- nents in business transactions

H ISO 16958:2015

ISO 20647:2015

ISO 20649:2015

## TC 35 Paints and varnishes

ISO 10890:2010 (reconfirmed)

ISO 15110:2017

ISO 15181-1:2007 (reconfirmed)

ISO 15181-2:2007 (reconfirmed)

ISO 15181-3:2007 (reconfirmed)

## TC 38 Textiles

ISO 105-C09:2001 (reconfirmed)

## TC 39 Machine tools

ISO 230-1:2012 (reconfirmed)

ISO 1984-1:2001 (reconfirmed)

ISO 1984-2:2001 (reconfirmed)

ISO 4703:2001 (reconfirmed)

ISO 10791-8:2001 (reconfirmed)

ISO 10791-9:2001 (reconfirmed)

## TC 41 Pulleys and belts (including veebelts)

ISO 433:2017

## TC 43 Acoustics

ISO 1996-2:2017 (reconfirmed)

ISO 10848-2:2017

ISO 10848-3:2017

ISO 10848-4:2017

ISO 12354-1:2017

ISO 12354-2:2017

ISO 12354-3:2017

ISO 12354-4:2017

ISO 17497-2:2012 (reconfirmed)

## TC 44 Welding and allied processes

ISO 9606-1:2012 (reconfirmed)

ISO 9606-2:2004 (reconfirmed)

ISO 9606-3:1999 (reconfirmed)

ISO 9606-4:1999 (reconfirmed)

ISO 9606-5:2000 (reconfirmed)

## TC 59 Buildings and civil engineering works

ISO 4463-1:1989 (reconfirmed)

ISO 4463-2:1995 (reconfirmed)

ISO 4463-3:1995 (reconfirmed)

ISO 6589:1983 (reconfirmed)

ISO 9882:1993 (reconfirmed)

ISO 9883:1993 (reconfirmed)

## TC 68 Financial services

ISO 9564-1:2017

## TC 69 Applications of statistical methods

ISO/TS 17503:2015 (reconfirmed)

ISO/TS 28038:2018

## TC 71 Concrete, reinforced concrete and pre- stressed concrete

ISO 19595:2017

## TC 76 Transfusion, infusion and injection, and blood processing equipment for medical and pharmaceutical use

ISO/TS 23128:2019

## TC 83 Sports and other recreational facilities and equipment

ISO 20380:2017

## TC 85 Nuclear energy, nuclear technologies, and radiological protection

ISO 2919:2012 (reconfirmed)

ISO 27468:2011 (reconfirmed)

## TC 96 Cranes

ISO 4310:2009 (reconfirmed)

## TC 102 Iron ore and direct reduced iron

ISO 8263:1992 (reconfirmed)

## TC 108 Mechanical vibration, shock and condition monitoring

ISO 20816-2:2017

## TC 110 Industrial trucks

ISO 2328:2011

ISO/TS 3691-8:2019

## TC 120 Leather

ISO 2820:1974 (reconfirmed)

ISO 2821:1974 (reconfirmed)

ISO 2822-1:1998 (reconfirmed)

ISO 4683-1:1998 (reconfirmed)

ISO 4683-2:1999 (reconfirmed)

ISO 7482-1:1998 (reconfirmed)

ISO 7482-2:1999 (reconfirmed)

ISO 7482-3:2005 (reconfirmed)

ISO 28499-1:2009 (reconfirmed)

ISO 28499-2:2009 (reconfirmed)

ISO 28499-3:2009 (reconfirmed)

## TC 121 Anaesthetic and respiratory equipment

ISO 9170-1:2017

## TC 122 Packaging

ISO 8474:1986 (reconfirmed)

## TC 123 Plain bearings

ISO 12301:2007 (reconfirmed)

## TC 126 Tobacco and tobacco products

ISO 4876:1980 (reconfirmed)

## TC 132 Ferroalloys

ISO 5446:2017

## TC 134 Fertilizers, soil conditioners and beneficial substances

ISO 3963:1977 (reconfirmed)

ISO 5306:1983 (reconfirmed)

ISO 5317:1983 (reconfirmed)

ISO 7407:1983 (reconfirmed)

ISO 7408:1983 (reconfirmed)

ISO 7410:1983 (reconfirmed)

ISO 7497:1984 (reconfirmed)

ISO 7742:1988 (reconfirmed)

## TC 136 Furniture

ISO 7174-1:1988 (reconfirmed)

ISO 7174-2:1992 (reconfirmed)

## TC 138 Plastics pipes, fittings and valves for the transport of fluids

ISO 1167-2:2006 (reconfirmed)

ISO 18553:2002 (reconfirmed)

ISO 21751:2011 (reconfirmed)

ISO/TS 20656-1:2017

## TC 146 Air quality

ISO 9096:2017

## TC 150 Implants for surgery

ISO 15674:2016

ISO 15675:2016

ISO 15676:2016

ISO 18241:2016

ISO 9714-1:2012 (reconfirmed)

ISO/TS 10974:2018

## TC 155 Nickel and nickel alloys

ISO 6283:2017

ISO 7529:2017

## TC 160 Glass in building

ISO 10293:1997 (reconfirmed)

ISO 29584:2015 (reconfirmed)

## TC 163 Thermal performance and energy use in the built environment

ISO 558:1980 (reconfirmed)

ISO 18295-1:2017

ISO 18295-2:2017

## JTC 1 Information technology

ISO/IEC 10116:2017 ISO/IEC

11770-4:2017

ISO/IEC 19592-2:2017

ISO/IEC 20009-4:2017

ISO/IEC 27034-5:2017

ISO/IEC 29151:2017 ISO/IEC

18047-6:2017

ISO 17772-1:2017

ISO 52000-1:2017

ISO 52003-1:2017

## TC 164 Mechanical testing of metals

ISO 26203-2:2011 (reconfirmed)

## TC 173 Assistive products

ISO 8669-2:1996 (reconfirmed)

ISO 8670-2:1996 (reconfirmed)

## TC 178 Lifts, escalators and moving walks

ISO/TS 8100-3:2019

## TC 182 Geotechnics

ISO 22282-1:2012 (reconfirmed)

ISO 22282-2:2012 (reconfirmed)

ISO 22282-3:2012 (reconfirmed)

ISO 22282-5:2012 (reconfirmed)

ISO 22282-6:2012 (reconfirmed) TC 189 Ceramic tile ISO 13007-3:2010 (reconfirmed)

## TC 194 Biological and clinical evaluation of medical devices

ISO 10993-3:2014

## TC 202 Microbeam analysis

ISO 29301:2017 (reconfirmed)

## TC 204 Intelligent transport systems

ISO 16787:2017

ISO/TS 17429:2017

## TC 206 Fine ceramics

ISO 19674:2017

## TC 211 Geographic information/Geomatics

ISO 19135-1:2015 (reconfirmed)

# Standards withdrawn

Period from 01 May to 01 June 2023

TC 22 Road vehicles ISO/PAS 22574:2007 (replaced by ) TC 34 Food products

ISO 1211:2010 (replaced by ISO 23318:2022)

ISO 1736:2008 (replaced by ISO 23318:2022)

ISO 1737:2008 (replaced by ISO 23318:2022)

ISO 1854:2008 (replaced by ISO 23318:2022)

ISO 2450:2008 (replaced by ISO 23318:2022)

ISO 7208:2008 (replaced by ISO 23318:2022)

ISO 7328:2008 (replaced by ISO 23318:2022)

ISO 8381:2008 (replaced by ISO 23318:2022)

## TC 52 Light gauge metal containers

ISO 1361:1997 (replaced by )

## TC 54 Essential oils

ISO/TS 210:2014 (replaced by ISO 210:2023)

ISO/TS 211:2014 (replaced by ISO 211:2023)

## TC 94 Personal safety -- Personal protective equipment

ISO/TR 11610:2004 (replaced by ISO 11610:2023)

ISO 15383:2001 (replaced by )

## TC 106 Dentistry

ISO/TR 18845:2017 (replaced by ISO 23298:2023)

## TC 130 Graphic technology

TC 226 Materials for the production of primary aluminium

ISO 11706:2012 (reconfirmed)

ISO/PAS 15339-1:2015

ISO/PAS 15339-2:2015

(replaced by )

(replaced by )

## TC 228 Tourism and related services

ISO 20410:2017

## TMBG Technical Management Board - groups

ISO 554:1976 (reconfirmed)

## TC 172 Optics and photonics

ISO 10685-1:2011 (replaced by ) ISO 10685-2:2016 (replaced by ) ISO 10685-3:2012 (replaced by )

## TC 184 Automation systems and integration

ISO/PAS 19450:2015 (replaced by )

## TC 204 Intelligent transport systems

ISO 14827-1:2005 (replaced by )

ISO/TS 21219-9:2016 (replaced by ISO 21219-9:2023)

ISO/TS

21219-10:2016

ISO/TS

21219-14:2016

ISO/TS

21219-15:2016

ISO/TS

21219-16:2016

(replaced by ISO 21219-10:2023) (replaced by ISO 21219-14:2023) (replaced by ISO 21219-15:2023) (replaced by ISO 21219-16:2023)

## TC 212 Clinical laboratory testing and in vitro diag- nostic test systems

ISO/TS 20658:2017 (replaced by ISO 20658:2023)

## TC 229 Nanotechnologies

ISO/TS 19337:2016 (replaced by ISO 19337:2023)

## TMBG Technical Management Board - groups

IWA 13:2014 (replaced by )

IWA 14-1:2013 (replaced by )

IWA 14-2:2013 (replaced by )

IWA 19:2017 (replaced by )

IWA 20:2017 (replaced by )

## JTC 1 Information technology

ISO/IEC 27009:2020 (replaced by )

ISO 17364:2013 (replaced by ISO/IEC 17360:2023)

ISO 17365:2013 (replaced by ISO/IEC 17360:2023)

ISO 17366:2013 (replaced by ISO/IEC 17360:2023)

ISO 17367:2013 (replaced by ISO/IEC 17360:2023)

# Meeting calendar

The meeting calendar is available at h[ttps://w](http://www.iso.org/meeting-calendar.html)ww.iso[.org/meeting-calendar.html](http://www.iso.org/meeting-calendar.html)