**ISO Update**

Supplement to *ISOfocus*

**November 2020**

International Standards in process

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| 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. |

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| CD registered | | |
| Period from 01 October to 01 November 2020 | | |
| These documents are currently under consideration in the technical committee. | | |
| They have been registred at the Central Secretariat. | | |
| TC 10 |  | Technical product documentation |
| ISO/CD 11540 |  | Writing and marking instruments — Specification for caps to reduce the risk of asphyxiation |
| TC 20 |  | Aircraft and space vehicles |
| ISO/DTR 16158 |  | Space systems — Avoiding collisions among orbiting objects |
| TC 21 |  | Equipment for fire protection and fire fighting |
| ISO/CD 14520-17 |  | Gaseous fire-extinguishing systems — Physical properties and system design — Part 17: Halocarbon Blend 55 |
| ISO/CD 21805 |  | Guidance on design, selection and installation of vents to safeguard the structural integrity of enclosures protected by gaseous fire-extinguishing systems |
| ISO/CD TR 23107 |  | Criteria for assessment of new extinguishants for inclusion in the ISO 14520 series |
| TC 22 |  | Road vehicles |
| ISO/CD 23828.2 |  | Fuel cell road vehicles — Energy consumption measurement — Vehicles fuelled with compressed hydrogen |
| TC 23 |  | Tractors and machinery for agriculture and forestry |
| ISO/CD 13457 |  | Agricultural irrigation equipment — Water-driven chemical injector pumps |
| TC 25 |  | Cast irons and pig irons |
| ISO/DTR 10809-1 |  | Cast irons — Part 1: Materials and properties for design |
| TC 29 |  | Small tools |
| ISO/DTS 13399-2 |  | Cutting tool data representation and exchange — Part 2: Reference dictionary for the cutting items |
| ISO/DTS 13399-3 |  | Cutting tool data representation and exchange — Part 3: Reference dictionary for tool items |
| ISO/DTS 13399-4 |  | Cutting tool data representation and exchange — Part 4: Reference dictionary for adaptive items |
| TC 34 |  | Food products |
| ISO/CD 22942-1 |  | Molecular biomarker analysis — isothermal polymerase chain reaction (isoPCR) methods — Part 1: General requirements |
| TC 37 |  | Language and terminology |
| ISO/CD 704 |  | Terminology work — Principles and methods |
| TC 38 |  | Textiles |
| ISO/CD 14389 |  | Textiles — Determination of the phthalate content — Tetrahydrofuran method |
| TC 44 |  | Welding and allied processes |
| ISO/CD 14172 |  | Welding consumables — Covered electrodes for manual metal arc welding of nickel and nickel alloys — Classification |
| ISO/CD 4761 |  | Non-destructive testing of welds — Phased array ultrasonic testing (PAUT)for thin-walled steel components — Acceptance levels |
| ISO/CD 15614-4 |  | Specification and qualification of welding procedures for metallic materials — Welding procedure test — Part 4: Finishing welding of aluminium castings |
| ISO/CD 15614-6 |  | Specification and qualification of welding procedures for metallic materials — Welding procedure test — Part 6: Arc and gas welding of copper and its alloys |
| ISO/CD 15614-11 |  | Specification and qualification of welding procedures for metallic materials — Welding procedure test — Part 11: Electron and laser beam welding |
| TC 58 |  | Gas cylinders |
| ISO/CD 14246 |  | Gas cylinders — Cylinder valves — Manufacturing tests and examinations |
| TC 61 |  | Plastics |
| ISO/CD 5148 |  | Plastics — Determination of specific aerobic biodegradation rate of solid plastic materials and Disappearance Time (DT50) under mesophilic laboratory test conditions |
| TC 68 |  | Financial services |
| ISO/CD 16609 |  | Financial services — Requirements for message authentication using symmetric techniques |
| TC 70 |  | Internal combustion engines |
| ISO/CD 7967-6 |  | Reciprocating internal combustion engines — Vocabulary of components and systems — Part 6: Lubricating systems |
| TC 71 |  | Concrete, reinforced concrete and pre-stressed concrete |
| ISO/CD 23945-1 |  | Test Methods for Sprayed Concrete — Part 1: Flash Setting Accelerating Admixtures - Setting Time |
| TC 79 |  | Light metals and their alloys |
| ISO/CD 7668 |  | Anodizing of aluminium and its alloys — Measurement of specular reflectance and specular gloss of anodic oxidation coatings at angles of 20 degrees, 45 degrees, 60 degrees or 85 degrees |
| TC 94 |  | Personal safety -- Personal protective equipment |
| ISO/CD TS 20141 |  | Guideline on compatibility of PPE |
| ISO 15384:2018/DAmd 1 |  | Protective clothing for firefighters — Laboratory test methods and performance requirements for wildland firefighting clothing — Amendment 1 |
| TC 106 |  | Dentistry |
| ISO/CD 22683 |  | Dentistry — Adaptability test between implant body and abutment in dental implant systems |
| TC 118 |  | Compressors and pneumatic tools, machines and equipment |
| ISO/CD 22484 |  | Performance test code for electric driven low pressure air compressor packages |
| TC 123 |  | Plain bearings |
| ISO/CD 4384-2 |  | Plain bearings — Hardness testing of bearing metals — Part 2: Solid materials |
| TC 127 |  | Earth-moving machinery |
| ISO/DTS 19014-5 |  | Earth-moving machinery — Functional safety — Part 5: Tables of performance levels |
| ISO 6405-1:2017/CD Amd 1 |  | Earth-moving machinery — Symbols for operator controls and other displays — Part 1: Common symbols — Amendment 1: Additional symbols |
| ISO 6405-2:2017/CD Amd 1 |  | Earth-moving machinery — Symbols for operator controls and other displays — Part 2: Symbols for specific machines, equipment and accessories — Amendment 1: Additional symbols |
| ISO/CD 6165 |  | Earth-moving machinery — Basic types — Identification and terms and definitions |
| TC 138 |  | Plastics pipes, fittings and valves for the transport of fluids |
| ISO/DTR 10358 |  | Plastics pipes and fittings for industrial applications — Collection of data on combined chemical-resistance |
| TC 147 |  | Water quality |
| ISO/CD 4685 |  | Water quality — Radium 226 — Test method using ICP/MS |
| ISO/CD 4722-1 |  | Water quality — Thorium — Part 1: Test method by alpha spectrometry |
| ISO/CD 4722-2 |  | Water quality — Thorium — Part 2: Test method using ICP/MS |
| ISO/CD 13165-2 |  | Water quality — Radium-226 — Part 2: Test method using emanometry |
| ISO/CD 13168 |  | Water quality — Simultaneous determination of tritium and carbon 14 activities — Test method using liquid scintillation counting |
| ISO/DTS 5667-25 |  | Water quality — Sampling — Part 25: Guideline on the validation of the preservation time of water samples |
| TC 150 |  | Implants for surgery |
| ISO/CD 10974 |  | Assessment of the safety of magnetic resonance imaging for patients with an active implantable medical device |
| TC 156 |  | Corrosion of metals and alloys |
| ISO/CD 24239 |  | General Requirements for Fossil Fuel Power Plants Corrosion Control Engineering Life Cycle |
| TC 159 |  | Ergonomics |
| ISO/CD 15537 |  | Principles for selecting and using test persons for testing anthropometric aspects of industrial products and designs |
| TC 180 |  | Solar energy |
| ISO/DTR 9901 |  | Solar energy — Field pyranometers — Recommended practice for use |
| TC 181 |  | Safety of toys |
| ISO/CD 8124-2 |  | Safety of toys — Part 2: Flammability |
| ISO/CD TR 8124-9 |  | Safety of toys — Part 9: Safety aspects related to mechanical and physical properties — Comparison of ISO 8124-1, EN 71-1 and ASTM F963 |
| TC 184 |  | Automation systems and integration |
| ISO/CD 23704-1 |  | Physical device control — General requirements for cyber-physically controlled smart machine tool systems (CPSMT) — Part 1: Overview and fundamental principles |
| ISO/CD 23704-2 |  | Physical device control — General requirements for cyber-physically controlled smart machine tool systems (CPSMT) — Part 2: Reference architecture of CPSMT for subtractive manufacturing |
| TC 190 |  | Soil quality |
| ISO/DTS 29843-2.2 |  | Soil quality — Determination of soil microbial diversity — Part 2: Method by phospholipid fatty acid analysis (PLFA) using the simple PLFA extraction method |
| TC 192 |  | Gas turbines |
| ISO/CD 3977-2 |  | Gas turbines — Procurement — Part 2: Standard reference conditions and ratings |
| TC 193 |  | Natural gas |
| ISO/CD TS 5639 |  | Natural gas — Olfactory method for the evaluation of odour intensity |
| TC 198 |  | Sterilization of health care products |
| ISO 25424:2018/CD Amd 1 |  | Sterilization of health care products — Low temperature steam and formaldehyde — Requirements for development, validation and routine control of a sterilization process for medical devices — Amendment 1 |
| TC 201 |  | Surface chemical analysis |
| ISO/CD 24465 |  | Protocol for data acquisition and determination of the minimum detectability of Surface Plasmon Resonance device |
| ISO/CD 23729 |  | Surface chemical analysis — Atomic force microscopy — Guideline for restoration procedure for atomic force microscopy images dilated by finite probe size |
| TC 204 |  | Intelligent transport systems |
| ISO/DTS 14812 |  | Intelligent transport systems — Terminology |
| TC 207 |  | Environmental management |
| ISO/CD 14020 |  | Environmental labels and declarations — General principles |
| TC 211 |  | Geographic information/Geomatics |
| ISO/CD 19156 |  | Geographic information — Observations and measurements |
| TC 213 |  | Dimensional and geometrical product specifications and verification |
| ISO/CD 4351 |  | Geometrical product specifications (GPS) — Association |
| ISO/CD 16610-62 |  | Geometrical product specifications (GPS) — Filtration — Part 62: Part 62 Linear areal filters: Spline filters |
| TC 215 |  | Health informatics |
| ISO/DTR 23358 |  | Health informatics — Guidance for establishing standardized measurement data in cardiac examination reports – Japan SEAMAT Case Study |
| TC 221 |  | Geosynthetics |
| ISO/DTR 18228-2.2 |  | Design using geosynthetics — Part 2: Separation |
| ISO/DTR 18228-8 |  | Design using geosynthetics — Part 8: Surface erosion control |
| TC 249 |  | Traditional Chinese medicine |
| ISO/CD 23958-1 |  | TCM- Dermal Needle for single use — Part 1: Tapping type |
| ISO/CD 23958-2 |  | TCM- Dermal Needle for single use — Part 2: Roller Type |
| TC 260 |  | Human resource management |
| ISO/DTS 30430 |  | Human resource management — Recruitment metrics |
| TC 261 |  | Additive manufacturing |
| ISO/ASTM CD 52916 |  | Additive manufacturing — Data formats — Standard specification for optimized medical image data |
| ISO/ASTM CD 52926-1 |  | Additive manufacturing of metals — Qualification principles — Part 1: General qualification of machine operators |
| ISO/ASTM CD 52926-2 |  | Additive manufacturing of metals — Qualification principles — Part 2: Qualification of machine operators for PBF-LB |
| ISO/ASTM CD 52926-3 |  | Additive manufacturing of metals — Qualification principles — Part 3: Qualification of machine operators for PBF-EB |
| ISO/ASTM CD 52926-4 |  | Additive manufacturing of metals — Qualification principles — Part 4: Qualification of machine operators for DED-LB |
| ISO/ASTM CD 52926-5 |  | Additive manufacturing of metals — Qualification principles — Part 5: Qualification of machine operators for DED-Arc |
| TC 269 |  | Railway applications |
| ISO/CD 23019 |  | Railway Applications — Driving simulator for drivers' training |
| TC 276 |  | Biotechnology |
| ISO/CD 24603 |  | Biotechnology — Biobanking — Requirements for the establishment, maintenance, characterization and distribution of pluripotent stem cells |
| ISO/CD 24651 |  | Biotechnology — Biobanking — Requirements for human mesenchymal stromal cells derived from bone marrow |
| TC 292 |  | Security and resilience |
| ISO/CD 22361 |  | Security and resilience — Crisis Management — Guidelines for developing a strategic capability |
| TC 297 |  | Waste collection and transportation management |
| ISO/CD 24162 |  | Test method of energy consumption of waste collection and transport vehicles |
| TC 312 |  | Excellence in service |
| ISO/DTS 24082 |  | Design of excellent services and outstanding customer experiences |
| JTC 1 |  | Information technology |
| ISO/IEC CD 24789-1 |  | Identification cards — Card service life — Part 1: Application profiles and requirements |
| ISO/IEC CD 24789-2 |  | Identification cards — Card service life — Part 2: Methods of evaluation |
| ISO/IEC CD 27553 |  | Information technology — Security techniques — Security requirements for authentication using biometrics on mobile devices |
| ISO/IEC 24790:2017/CD Amd 1 |  | Information technology — Office equipment — Measurement of image quality attributes for hardcopy output — Monochrome text and graphic images — Amendment 1 |
| ISO/IEC CD 19566-7 |  | Information technologies — JPEG systems — Part 7: JPEG linked media format (JLINK) |
| ISO/IEC CD 39794-2 |  | Information technology — Extensible biometric data interchange formats — Part 2: Finger minutiae data |
| ISO/IEC CD 19944-2 |  | Cloud computing and distributed platforms — Data flow, data categories and data use — Part 2: Guidance on application and extensibility |
| ISO/IEC DTS 22237-30 |  | Information technology — Data centre facilities and infrastructures — Part 30: Earthquake risk and impact analysis |

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| DIS circulated | | | |
| Period from 01 October to 01 November 2020 | | | |
| 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 8 |  | Ships and marine technology |  |
| ISO/DIS 28005-2 |  | Security management systems for the supply chain — Electronic port clearance (EPC) — Part 2: Core data elements | 2020-12-30 |
|  |  | (Revision of ISO 28005-2:2011) |  |
| TC 20 |  | Aircraft and space vehicles |  |
| ISO/DIS 21849 |  | Aircraft and space — Industrial data — Product identification and traceability | 2021-01-04 |
|  |  | (Revision of ISO 21849:2006) |  |
| ISO/DIS 23886 |  | Aerospace — Collar, threaded, self-locking — Test method for torque and preload | 2020-12-24 |
| ISO/DIS 23887 |  | Aerospace — Blind fasteners, threaded type, self-locking — Test method for locking torque | 2020-12-24 |
| ISO/DIS 23129 |  | Space systems — Thermal control coatings for spacecraft — Atomic oxygen protective coating on polyimide film | 2020-12-31 |
| TC 22 |  | Road vehicles |  |
| ISO/DIS 15765-4 |  | Road vehicles — Diagnostic communication over Controller Area Network (DoCAN) — Part 4: Requirements for emissions-related systems | 2020-12-31 |
|  |  | (Revision of ISO 15765-4:2016) |  |
| ISO/DIS 21111-6 |  | Road vehicles — In-vehicle Ethernet — Part 6: Electrical 100-Mbit/s physical entity requirements and conformance test plan | 2021-01-03 |
| ISO/DIS 21111-9 |  | Road vehicles — In-vehicle Ethernet — Part 9: Data link layer requirements and conformance test plan | 2020-12-25 |
| ISO/DIS 17447-1 |  | Road Vehicles — Glow-plugs with conical seating and their cylinder head housing — Part 1: Basic characteristics and dimensions for metal-sheath-type glow-plugs | 2021-01-20 |
|  |  | (Revision of ISO 17447-1:2015) |  |
| TC 23 |  | Tractors and machinery for agriculture and forestry |  |
| ISO/DIS 16438 |  | Agricultural irrigation equipment — Thermoplastic collapsible hoses for irrigation — Specifications and test methods | 2021-01-07 |
|  |  | (Revision of ISO 16438:2012) |  |
| TC 28 |  | Petroleum and related products, fuels and lubricants from natural or synthetic sources |  |
| ISO/DIS 12925-3 |  | Lubricants, industrial oils and related products (Class L) — Family C (gears) — Part 3: Specifications for greases for enclosed and open gear systems | 2021-01-20 |
| TC 29 |  | Small tools |  |
| ISO/DIS 22402-1 |  | Medium-transfer units for tool interfaces — Part 1: Transfer units for hollow taper shanks in accordance with ISO 12164 | 2021-01-04 |
| ISO/DIS 22402-2 |  | Medium-transfer units for tool interfaces — Part 2: Transfer units for polygonal taper interfaces in accordance with ISO 26623 | 2021-01-04 |
| TC 31 |  | Tyres, rims and valves |  |
| ISO/DIS 4000-2 |  | Passenger car tyres and rims — Part 2: Rims | 2020-12-28 |
|  |  | (Revision of ISO 4000-2:2013) |  |
| TC 33 |  | Refractories |  |
| ISO/DIS 13765-7.2 |  | Refractory mortars — Part 7: Determination of permanent change in dimensions on heating | 2020-12-21 |
| TC 39 |  | Machine tools |  |
| ISO/DIS 230-5 |  | Test code for machine tools — Part 5: Determination of the noise emission | 2020-12-30 |
|  |  | (Revision of ISO 230-5:2000) |  |
| ISO 16089:2015/DAmd 1 |  | Machine tools — Safety — Stationary grinding machines — Amendment 1 | 2021-01-20 |
| ISO/DIS 16090-1 |  | Machine tools safety — Machining centres, milling machines, transfer machines — Part 1: Safety requirements | 2021-01-22 |
|  |  | (Revision of ISO 16090-1:2017) |  |
| TC 41 |  | Pulleys and belts (including veebelts) |  |
| ISO/DIS 5287 |  | Belt drives — V-belts for the automotive industry — Fatigue test | 2020-12-28 |
|  |  | (Revision of ISO 5287:2003) |  |
| TC 42 |  | Photography |  |
| ISO/DIS 18913 |  | Imaging materials — Permanence — Vocabulary | 2021-01-07 |
|  |  | (Revision of ISO 18913:2012) |  |
| TC 43 |  | Acoustics |  |
| ISO/DIS 23591 |  | Acoustic quality criteria for music rehearsal rooms and spaces | 2021-01-06 |
| TC 45 |  | Rubber and rubber products |  |
| ISO/DIS 21869 |  | Rubber compounding ingredients — Magnesium oxide — Methods of test | 2021-01-20 |
|  |  | (Revision of ISO 21869:2006) |  |
| TC 58 |  | Gas cylinders |  |
| ISO 11439:2013/DAmd 1 |  | Gas cylinders — High pressure cylinders for the on-board storage of natural gas as a fuel for automotive vehicles — Amendment 1 | 2020-12-24 |
| TC 59 |  | Buildings and civil engineering works |  |
| ISO/DIS 24068-1 |  | Buildings and civil engineering works — Determination of the degree of cure of sealants — Part 1: Build-up of tensile properties in dumbbell-shaped specimens | 2021-01-01 |
| ISO/DIS 24068-2 |  | Buildings and civil engineering works — Determination of the degree of cure of sealants — Part 2: Build-up of tensile and adhesion properties in test joint specimens | 2021-01-01 |
| ISO/DIS 24070-1 |  | Buildings and civil engineering works — Determination of cured thickness of one-component sealants — Part 1: Taper-shaped groove test method | 2020-12-31 |
| ISO/DIS 24070-2 |  | Buildings and civil engineering works — Determination of cured thickness of one-component sealants — Part 2: Cylindrical cup test method | 2020-12-31 |
| TC 61 |  | Plastics |  |
| ISO/DIS 4216 |  | Thermosetting resin and UV curable resin — Determination of shrinkage by continuous measurement method | 2021-01-20 |
| TC 67 |  | Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries |  |
| ISO/DIS 13703-3 |  | Petroleum and natural gas industries — Piping systems on offshore production platforms and onshore plants — Part 3: Fabrication | 2021-01-11 |
|  |  | (Revision of ISO 13703:2000, ISO 13703:2000/Cor 1:2002) |  |
| TC 68 |  | Financial services |  |
| ISO/DIS 3531-1 |  | Financial services – Financial information eXchange session layer — Part 1: FIX TagValue encoding | 2020-12-30 |
| ISO/DIS 3531-2 |  | Financial services – Financial information eXchange session layer — Part 2: FIX session layer | 2020-12-30 |
| ISO/DIS 3531-3 |  | Financial services – Financial information eXchange session layer — Part 3: FIX session layer test cases | 2020-12-30 |
| TC 89 |  | Wood-based panels |  |
| ISO/DIS 1096 |  | Plywood — Classification | 2020-12-25 |
|  |  | (Revision of ISO 1096:2014) |  |
| ISO/DIS 13609 |  | Wood-based panels — Plywood — Blockboards and battenboards | 2020-12-25 |
|  |  | (Revision of ISO 13609:2014) |  |
| TC 96 |  | Cranes |  |
| ISO/DIS 7752-5 |  | Cranes — Control layout and characteristics — Part 5: Bridge and gantry cranes | 2020-12-29 |
|  |  | (Revision of ISO 7752-5:1985) |  |
| TC 104 |  | Freight containers |  |
| ISO 668:2020/DAmd 1 |  | Series 1 freight containers — Classification, dimensions and ratings — Amendment 1 | 2021-01-11 |
| TC 107 |  | Metallic and other inorganic coatings |  |
| ISO/DIS 4524-3 |  | Metallic coatings — Test methods for electrodeposited gold and gold alloy coatings — Part 3: Electrographic tests for porosity | 2020-12-29 |
|  |  | (Revision of ISO 4524-3:1985) |  |
| TC 113 |  | Hydrometry |  |
| ISO/DIS 772 |  | Hydrometry — Vocabulary and symbols | 2021-01-05 |
|  |  | (Revision of ISO 772:2011) |  |
| ISO/DIS 3716 |  | Hydrometry — Functional requirements and characteristics of suspended-sediment samplers | 2021-01-20 |
|  |  | (Revision of ISO/TS 3716:2006) |  |
| TC 121 |  | Anaesthetic and respiratory equipment |  |
| ISO/DIS 80601-2-74 |  | Medical electrical equipment — Part 2-74: Particular requirements for basic safety and essential performance of respiratory humidifying equipment | 2021-01-18 |
|  |  | (Revision of ISO 80601-2-74:2017) |  |
| ISO/DIS 80601-2-90 |  | Medical electrical equipment — Part 2-90: Particular requirements for basic safety and essential performance of ventilatory high-flow therapy equipment | 2020-12-30 |
| TC 126 |  | Tobacco and tobacco products |  |
| ISO/DIS 16632 |  | Tobacco and tobacco products — Determination of water content — Gas-chromatographic method | 2021-01-13 |
|  |  | (Revision of ISO 16632:2013) |  |
| TC 130 |  | Graphic technology |  |
| ISO/DIS 12635 |  | Graphic technology — Plates for offset printing — Dimensions | 2021-01-14 |
|  |  | (Revision of ISO 12635:2008) |  |
| TC 136 |  | Furniture |  |
| ISO/DIS 3055 |  | Kitchen equipment — Coordinating sizes | 2020-12-30 |
|  |  | (Revision of ISO 3055:1985) |  |
| ISO/DIS 23769 |  | Furniture — Mattresses — Test methods for the determination of functional characteristics | 2021-01-01 |
| TC 138 |  | Plastics pipes, fittings and valves for the transport of fluids |  |
| ISO 12176-2:2008/DAmd 1 |  | Plastics pipes and fittings — Equipment for fusion jointing polyethylene systems — Part 2: Electrofusion — Amendment 1 | 2021-01-18 |
| TC 142 |  | Cleaning equipment for air and other gases |  |
| ISO/DIS 29461-1 |  | Air intake filter systems for rotary machinery — Test methods — Part 1: Static filter elements | 2021-01-18 |
|  |  | (Revision of ISO 29461-1:2013) |  |
| TC 145 |  | Graphical symbols |  |
| ISO 7010:2019/DAmd 120 |  | Graphical symbols — Safety colours and safety signs — Registered safety signs — Amendment 120: Safety sign E067 : Evacuation mattress | 2020-12-24 |
| ISO 7010:2019/DAmd 121 |  | Graphical symbols — Safety colours and safety signs — Registered safety signs — Amendment 121: Safety sign E068 : Lifebuoy with light and smoke | 2020-12-24 |
| ISO 7010:2019/DAmd 122 |  | Graphical symbols — Safety colours and safety signs — Registered safety signs — Amendment 122: Safety sign E069 : Person overboard call point | 2020-12-24 |
| ISO 7010:2019/DAmd 123 |  | Graphical symbols — Safety colours and safety signs — Registered safety signs — Amendment 123: Safety sign F019 : Unconnected fire hose | 2020-12-24 |
| TC 147 |  | Water quality |  |
| ISO/DIS 8466-1 |  | Water quality — Calibration and evaluation of analytical methods — Part 1: Linear calibration function | 2021-01-20 |
|  |  | (Revision of ISO 8466-1:1990) |  |
| TC 150 |  | Implants for surgery |  |
| ISO/DIS 5832-3 |  | Implants for surgery — Metallic materials — Part 3: Wrought titanium 6-aluminium 4-vanadium alloy | 2021-01-05 |
|  |  | (Revision of ISO 5832-3:2016) |  |
| ISO/DIS 9584 |  | Implants for surgery — Non-destructive testing — Radiographic examination of cast metallic surgical implants | 2021-01-18 |
|  |  | (Revision of ISO 9584:1993) |  |
| ISO/DIS 23089-2 |  | Implants for surgery — Pre-clinical mechanical assessment of spinal implants and particular requirements — Part 2: Spinal intervertebral body fusion devices | 2020-12-25 |
| TC 156 |  | Corrosion of metals and alloys |  |
| ISO/DIS 24656 |  | Cathodic protection of offshore wind structures | 2021-01-11 |
| TC 159 |  | Ergonomics |  |
| ISO/DIS 8996 |  | Ergonomics of the thermal environment — Determination of metabolic rate | 2021-01-18 |
|  |  | (Revision of ISO 8996:2004) |  |
| ISO/DIS 14505-4 |  | Ergonomics of the thermal environment — Evaluation of thermal environments in vehicles — Part 4: Determination of the equivalent temperature by means of a numerical manikin | 2021-01-11 |
| TC 172 |  | Optics and photonics |  |
| ISO/DIS 14490-5 |  | Optics and photonics — Test methods for telescopic systems — Part 5: Test methods for transmittance | 2021-01-01 |
|  |  | (Revision of ISO 14490-5:2017) |  |
| ISO/DIS 15253 |  | Ophthalmic optics and instruments — Optical and electro-optical devices for enhancing low vision | 2020-12-30 |
|  |  | (Revision of ISO 15253:2000, ISO 15254:2009) |  |
| TC 184 |  | Automation systems and integration |  |
| ISO/DIS 10303-59 |  | Industrial automation systems and integration — Product data representation and exchange — Part 59: Integrated generic resource: Quality of product shape data | 2021-01-18 |
|  |  | (Revision of ISO 10303-59:2014) |  |
| TC 188 |  | Small craft |  |
| ISO/DIS 21487 |  | Small craft — Permanently installed petrol and diesel fuel tanks | 2020-12-28 |
|  |  | (Revision of ISO 21487:2012, ISO 21487:2012/Amd 1:2014, ISO 21487:2012/Amd 2:2015) |  |
| TC 198 |  | Sterilization of health care products |  |
| ISO/DIS 11138-8 |  | Sterilization of health care products — Biological indicators — Part 8: Method for validation of a reduced incubation time for a biological indicator | 2020-12-28 |
| TC 204 |  | Intelligent transport systems |  |
| ISO/DIS 12855 |  | Electronic fee collection — Information exchange between service provision and toll charging | 2021-01-13 |
|  |  | (Revision of ISO 12855:2015) |  |
| ISO/DIS 16460 |  | Intelligent transport systems — Localized communications — Communication protocol messages for global usage | 2020-12-28 |
|  |  | (Revision of ISO/TS 16460:2016) |  |
| ISO/DIS 22085-3 |  | Intelligent transport systems (ITS) — Nomadic device service platform for micro mobility — Part 3: Data structure and data exchange procedures | 2020-12-29 |
| TC 207 |  | Environmental management |  |
| ISO/DIS 14030-2 |  | Environmental performance evaluation — Green debt instruments — Part 2: Process for green loans | 2021-01-13 |
| TC 213 |  | Dimensional and geometrical product specifications and verification |  |
| ISO/DIS 25178-700 |  | Geometrical product specifications (GPS) — Surface texture: Areal — Part 700: Calibration, adjustment and verification of areal topography measuring instruments | 2021-01-18 |
| TC 214 |  | Elevating work platforms |  |
| ISO/DIS 16653-2 |  | Mobile elevating work platforms — Design, calculations, safety requirements and test methods relative to special features — Part 2: MEWPs with non-conductive (insulating) components | 2021-01-22 |
|  |  | (Revision of ISO 16653-2:2009) |  |
| TC 215 |  | Health informatics |  |
| ISO/DIS 13972 |  | Health informatics — Clinical information models — Characteristics, structures and requirements | 2020-12-25 |
|  |  | (Revision of ISO/TS 13972:2015) |  |
| TC 220 |  | Cryogenic vessels |  |
| ISO 20421-1:2019/DAmd 1 |  | Cryogenic vessels — Large transportable vacuum-insulated vessels — Part 1: Design, fabrication, inspection and testing — Amendment 1 | 2021-01-20 |
| ISO/DIS 21013-1 |  | Cryogenic vessels — Pressure-relief accessories for cryogenic service — Part 1: Reclosable pressure-relief valves | 2021-01-22 |
|  |  | (Revision of ISO 21013-1:2008) |  |
| TC 268 |  | Sustainable cities and communities |  |
| ISO/DIS 37180 |  | Smart community infrastructures — Guidance on smart transportation with QR code identification and authentification in transportation and its related or additional services | 2021-01-19 |
| TC 269 |  | Railway applications |  |
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| Period from 01 October to 01 November 2020 | | | |
| These Final draft International Standards have been submitted to the ISO member bodies for formal approval by the date shown | | | |
| \* Available in English only | | | |
|  |  |  | Vote terminates |
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|  |  | (Revision of ISO/IEC 15444-5:2015) |  |
| ISO/IEC PRF TR 23008-13 |  | Information technology — High efficiency coding and media delivery in heterogeneous environments — Part 13: MMT implementation guidance |  |
|  |  | (Revision of ISO/IEC TR 23008-13:2017) |  |
| ISO/IEC FDIS 23090-8 |  | Information technology — Coded representation of immersive media — Part 8: Network based media processing | 2020-12-01 |
| ISO/IEC PRF 29158 |  | Information technology — Automatic identification and data capture techniques — Direct Part Mark (DPM) Quality Guideline |  |
|  |  | (Revision of ISO/IEC TR 29158:2011) |  |
| ISO/IEC TR 15944-14 |  | Information technology — Business operational view — Part 14: Open-edi reference model and cloud computing architecture |  |
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| Standards published | | | |
| New International Standards published between 01 October and 01 November 2020 | | | |
| 1 delayed publication of language version  2 corrected version  3 multilingual document | | | |
|  |  |  | Price group |
| PC 308 |  | Chain of custody - General terminology and models |  |
| ISO 22095:2020 | en | Chain of custody — General terminology and models | E |
| TC 8 |  | Ships and marine technology |  |
| ISO/PAS 24438:2020 | en | Ships and marine technology — Maritime education and training — Maritime career guidance | C |
| ISO 24042:2020 | en | Liquid cargo handling equipment — Crude oil offloading system —Tandem mooring winches | B |
| ISO 24043:2020 | en | Marine structures — Crude oil offloading systems — Hose reels | A |
| ISO 24044:2020 | en | Ships and marine technology — Deck machinery — Multifunctional manipulator | B |
| TC 20 |  | Aircraft and space vehicles |  |
| ISO/TR 18146:2020 | en | Space systems — Space debris mitigation design and operation manual for spacecraft | G |
| ISO/TR 20891:2020 | en | Space systems — Space batteries — Guidelines for in-flight health assessment of lithium-ion batteries | G |
| ISO 26871:2020 | en | Space systems — Explosive systems and devices | G |
| TC 22 |  | Road vehicles |  |
| ISO 20794-5:2020 | en | Road vehicles — Clock extension peripheral interface (CXPI) — Part 5: Application layer conformance test plan | G |
| ISO 20794-6:2020 | en | Road vehicles — Clock extension peripheral interface (CXPI) — Part 6: Transport and network layer conformance test plan | E |
| ISO 20794-7:2020 | en | Road vehicles — Clock extension peripheral interface (CXPI) — Part 7: Data link and physical layer conformance test plan | H |
| ISO 21111-1:2020 | en | Road vehicles — In-vehicle Ethernet — Part 1: General information and definitions | B |
| ISO 21111-2:2020 | en | Road vehicles — In-vehicle Ethernet — Part 2: Common physical entity requirements | E |
| ISO 21806-3:2020 | en | Road vehicles — Media Oriented Systems Transport (MOST) — Part 3: Application layer conformance test plan | H |
| ISO 21806-8:2020 | en | Road vehicles — Media Oriented Systems Transport (MOST) — Part 8: 150-Mbit/s optical physical layer | F |
| ISO 21806-9:2020 | en | Road vehicles — Media Oriented Systems Transport (MOST) — Part 9: 150-Mbit/s optical physical layer conformance test plan | G |
| ISO 13216-4:2020 | en | Road vehicles — Anchorages in vehicles and attachments to anchorages for child restraint systems — Part 4: Lower tether anchorages | C |
| TC 23 |  | Tractors and machinery for agriculture and forestry |  |
| ISO 21628:2020 | en | Gardening machinery — Powered material-collecting systems — Safety | A |
| ISO 3767-1:2016/Amd 1:2020 | en  fr | Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Symbols for operator controls and other displays — Part 1: Common symbols — Amendment 1 | XZ |
| ISO 3767-2:2016/Amd 1:2020 | en  fr | Tractors, machinery for agriculture and forestry, powered lawn and garden equipment — Symbols for operator controls and other displays — Part 2: Symbols for agricultural tractors and machinery — Amendment 1 | XZ |
| ISO 25119-1:2018/Amd 1:2020 | en  fr | Tractors and machinery for agriculture and forestry — Safety-related parts of control systems — Part 1: General principles for design and development — Amendment 1 | XZ |
| ISO 25119-3:2018/Amd 1:2020 | en  fr | Tractors and machinery for agriculture and forestry — Safety-related parts of control systems — Part 3: Series development, hardware and software — Amendment 1: 1 | XZ |
| ISO 25119-4:2018/Amd 1:2020 | en  fr | Tractors and machinery for agriculture and forestry — Safety-related parts of control systems — Part 4: Production, operation, modification and supporting processes — Amendment 1: 1 | XZ |
| TC 24 |  | Particle characterization including sieving |  |
| ISO 15900:2020 | en | Determination of particle size distribution — Differential electrical mobility analysis for aerosol particles | H |
| ISO 17867:2020 | en | Particle size analysis — Small angle X-ray scattering (SAXS) | E |
| TC 27 |  | Coal and coke |  |
| ISO 1013:2020 | en | Coke — Determination of bulk density in a large container | A |
| ISO 1928:2020 | en | Coal and coke — Determination of gross calorific value | G |
| TC 28 |  | Petroleum and related products, fuels and lubricants from natural or synthetic sources |  |
| ISO 23306:2020 | en  fr | Specification of liquefied natural gas as a fuel for marine applications | D |
| TC 29 |  | Small tools |  |
| ISO 525:2020 | en  fr | Bonded abrasive products — Shape types, designation and marking | D |
| ISO 8405:2020 | en  fr | Tools for moulding — Ejector sleeves with cylindrical head — Basic series for general purposes | A |
| TC 31 |  | Tyres, rims and valves |  |
| ISO 4223-2:1991/Amd 1:2020 | en  fr | Definitions of some terms used in the tyre industry — Part 2: Solid tyres — Amendment 1 | XZ |
| ISO 4250-3:2020 | fr | Earth-mover tyres and rims — Part 3: Rims | C |
| TC 33 |  | Refractories |  |
| ISO 21736:2020 | en  fr | Refractories — Test methods for thermal shock resistance | B |
| TC 34 |  | Food products |  |
| ISO 21468:2020 | en | Infant formula and adult nutritionals — Determination of free and total choline and free and total carnitine — Liquid chromatography tandem mass spectrometry (HPLC-MS/MS) | C |
| ISO 21543:2020 | en  fr | Milk and milk products — Guidelines for the application of near infrared spectrometry | D |
| ISO/TS 21872-2:2020 | en | Microbiology of the food chain — Horizontal method for the determination of Vibrio spp. — Part 2: Enumeration of total and potentially enteropathogenic Vibrio parahaemolyticus in seafood using nucleic acid hybridization | E |
| TC 35 |  | Paints and varnishes |  |
| ISO 8501-4:2020 | en  fr | Preparation of steel substrates before application of paints and related products — Visual assessment of surface cleanliness — Part 4: Initial surface conditions, preparation grades and flash rust grades in connection with water jetting | XL |
| ISO 11127-1:2020 | en  fr | Preparation of steel substrates before application of paints and related products — Test methods for non-metallic blast-cleaning abrasives — Part 1: Sampling | B |
| ISO 11127-2:2020 | en  fr | Preparation of steel substrates before application of paints and related products — Test methods for non-metallic blast-cleaning abrasives — Part 2: Determination of particle size distribution | A |
| ISO 11127-3:2020 | en  fr | Preparation of steel substrates before application of paints and related products — Test methods for non-metallic blast-cleaning abrasives — Part 3: Determination of apparent density | A |
| ISO 11127-4:2020 | en  fr | Preparation of steel substrates before application of paints and related products — Test methods for non-metallic blast-cleaning abrasives — Part 4: Assessment of hardness by a glass slide test | A |
| ISO 11127-5:2020 | en  fr | Preparation of steel substrates before application of paints and related products — Test methods for non-metallic blast-cleaning abrasives — Part 5: Determination of moisture | A |
| ISO 11127-8:2020 | en | Preparation of steel substrates before application of paints and related products — Test methods for non-metallic blast-cleaning abrasives — Part 8: Field determination of water-soluble chlorides | A |
| TC 38 |  | Textiles |  |
| ISO 1833-12:2020 | en  fr | Textiles — Quantitative chemical analysis — Part 12: Mixtures of acrylic, certain modacrylics, certain chlorofibres, certain elastane fibres with certain other fibres (method using dimethylformamide) | A |
| ISO 1833-18:2020 | en  fr | Textiles — Quantitative chemical analysis — Part 18: Mixtures of silk with wool or other animal hair (method using sulfuric acid) | A |
| ISO 1833-26:2020 | en  fr | Textiles — Quantitative chemical analysis — Part 26: Mixtures of melamine with certain other fibres (method using hot formic acid) | A |
| ISO 22992-2:2020 | en | Textiles — Determination of certain preservatives — Part 2: Determination of triclosan residues method using LC-MS/MS | A |
| ISO 5079:2020 | en  fr | Textile fibres — Determination of breaking force and elongation at break of individual fibres | B |
| ISO 12945-1:2020 | en  fr | Textiles — Determination of fabric propensity to surface pilling, fuzzing or matting — Part 1: Pilling box method | B |
| ISO 12945-2:2020 | en  fr | Textiles — Determination of fabric propensity to surface pilling, fuzzing or matting — Part 2: Modified Martindale method | C |
| ISO 12945-3:2020 | en  fr | Textiles — Determination of fabric propensity to surface pilling, fuzzing or matting — Part 3: Random tumble pilling method | B |
| ISO 12945-4:2020 | en  fr | Textiles — Determination of fabric propensity to surface pilling, fuzzing or matting — Part 4: Assessment of pilling, fuzzing and matting by visual analysis | A |
| TC 44 |  | Welding and allied processes |  |
| ISO 9454-2:2020 | en  fr | Soft soldering fluxes — Classification and requirements — Part 2: Performance requirements | A |
| ISO 9455-5:2020 | en  fr | Soft soldering fluxes — Test methods — Part 5: Copper mirror test | A |
| ISO 9455-9:2020 | en  fr | Soft soldering fluxes — Test methods — Part 9: Determination of ammonia content | A |
| TC 45 |  | Rubber and rubber products |  |
| ISO 1382:2020 | en  fr | Rubber — Vocabulary | A |
| TC 46 |  | Information and documentation |  |
| ISO 3297:2020 | en  fr | Information and documentation — International standard serial number (ISSN) | D |
| ISO/TS 16175-2:2020 | en  fr | Information and documentation — Processes and functional requirements for software for managing records — Part 2: Guidance for selecting, designing, implementing and maintaining software for managing records | D |
| TC 58 |  | Gas cylinders |  |
| ISO 10298:2018 | fr | Gas cylinders — Gases and gas mixtures — Determination of toxicity for the selection of cylinder valve outlets | C |
| ISO 13338:2017 | fr | Gas cylinders — Gases and gas mixtures — Determination of tissue corrosiveness for the selection of cylinder valve outlets | B |
| ISO 11755:2005 | fr | Gas cylinders — Cylinder bundles for compressed and liquefied gases (excluding acetylene) — Inspection at time of filling | A |
| TC 61 |  | Plastics |  |
| ISO 20329:2020 | en | Plastics — Determination of abrasive wear by reciprocating linear sliding motion | C |
| TC 67 |  | Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries |  |
| ISO 35102:2020 | fr | Petroleum and natural gas industries — Arctic operations — Escape, evacuation and rescue from offshore installations | H |
| ISO 20257-1:2020 | en | Installation and equipment for liquefied natural gas — Design of floating LNG installations — Part 1: General requirements | H |
| TC 68 |  | Financial services |  |
| ISO 13616-2:2020 | en | Financial services — International bank account number (IBAN) — Part 2: Role and responsibilities of the Registration Authority | A |
| TC 69 |  | Applications of statistical methods |  |
| ISO/TR 22914:2020 | en | Statistical methods for implementation of Six Sigma — Selected illustration of analysis of variance | G |
| TC 70 |  | Internal combustion engines |  |
| ISO 8528-3:2020 | en  fr | Reciprocating internal combustion engine driven alternating current generating sets — Part 3: Alternating current generators for generating sets | D |
| TC 83 |  | Sports and other recreational facilities and equipment |  |
| ISO 20957-7:2020 | en  fr | Stationary training equipment — Part 7: Rowing equipment, additional specific safety requirements and test methods | B |
| ISO/TS 24667:2020 | fr | Sports and recreational facilities — Impact surfacing testing device | A |
| TC 85 |  | Nuclear energy, nuclear technologies, and radiological protection |  |
| ISO 23466:2020 | en | Design criteria for the thermal insulation of reactor coolant system main equipments and piping of PWR nuclear power plants | D |
| TC 86 |  | Refrigeration and air-conditioning |  |
| ISO 5151:2017/Amd 1:2020 | en | Non-ducted air conditioners and heat pumps — Testing and rating for performance — Amendment 1 | XZ |
| ISO 13253:2017/Amd 1:2020 | en | Ducted air-conditioners and air-to-air heat pumps — Testing and rating for performance — Amendment 1 | XZ |
| ISO 15042:2017/Amd 1:2020 | en | Multiple split-system air conditioners and air-to-air heat pumps — Testing and rating for performance — Amendment 1 | XZ |
| TC 87 |  | Cork |  |
| ISO 2385:2020 | en | Packed cork — Virgin cork, raw reproduction cork, burnt cork, boiled reproduction cork and raw cork waste — Sampling to determine moisture content | A |
| TC 89 |  | Wood-based panels |  |
| ISO 12460-3:2020 | en  fr | Wood-based panels — Determination of formaldehyde release — Part 3: Gas analysis method | C |
| TC 92 |  | Fire safety |  |
| ISO/TS 17755-2:2020 | fr | Fire safety — Statistical data collection — Part 2: Vocabulary | A |
| ISO 13784-2:2020 | en | Reaction-to-fire tests for sandwich panel building systems — Part 2: Test method for large rooms | C |
| TC 94 |  | Personal safety -- Personal protective equipment |  |
| ISO 18527-3:2020 | en  fr | Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming | D |
| TC 96 |  | Cranes |  |
| ISO 4306-4:2020 | en  fr | Cranes — Vocabulary — Part 4: Jib cranes | A |
| TC 106 |  | Dentistry |  |
| ISO 10477:2020 | en  fr | Dentistry — Polymer-based crown and veneering materials | D |
| ISO 1942:2020 | en  fr | Dentistry — Vocabulary | A |
| ISO 20888:2020 | en  fr | Dentistry — Vocabulary and designation system for forensic oro-dental data | A |
| TC 107 |  | Metallic and other inorganic coatings |  |
| ISO 16866:2020 | en | Metallic and other inorganic coatings — Simultaneous thickness and electrode potential determination of individual layers in multilayer nickel deposits (STEP test) | B |
| TC 110 |  | Industrial trucks |  |
| ISO 3691-4:2020 | fr | Industrial trucks — Safety requirements and verification — Part 4: Driverless industrial trucks and their systems | H |
| TC 114 |  | Horology |  |
| ISO 10553:2018 | fr | Horology — Procedure for evaluating the accuracy of quartz watches | C |
| TC 121 |  | Anaesthetic and respiratory equipment |  |
| ISO 26825:2020 | en | Anaesthetic and respiratory equipment — User-applied labels for syringes containing drugs used during anaesthesia — Colours, design and performance | B |
| ISO 80601-2-67:2020 | en  fr | Medical electrical equipment — Part 2-67: Particular requirements for basic safety and essential performance of oxygen-conserving equipment | G |
| TC 122 |  | Packaging |  |
| ISO 21976:2018 | fr | Packaging — Tamper verification features for medicinal product packaging | C |
| TC 123 |  | Plain bearings |  |
| ISO 21866-1:2020 | en | Plain bearings — Automotive engine bearing test rig using actual connecting rods — Part 1: Test rig | C |
| TC 134 |  | Fertilizers, soil conditioners and beneficial substances |  |
| ISO 19747:2020 | en | Fertilizers and soil conditioners — Determination of monosilicic acid concentrations in nonliquid fertilizer materials | B |
| TC 135 |  | Non-destructive testing |  |
| ISO 22232-3:2020 | en  fr | Non-destructive testing — Characterization and verification of ultrasonic test equipment — Part 3: Combined equipment | B |
| TC 145 |  | Graphical symbols |  |
| ISO/TS 20559:2020 | en | Graphical symbols — Safety colours and safety signs — Guidance for the development and use of a safety signing system | C |
| ISO 23601:2020 | en | Safety identification — Escape and evacuation plan signs | C |
| TC 156 |  | Corrosion of metals and alloys |  |
| ISO 23449:2020 | en | Corrosion of metals and alloys — Multielectrode arrays for corrosion measurement | D |
| TC 164 |  | Mechanical testing of metals |  |
| ISO 7438:2020 | en  fr | Metallic materials — Bend test | C |
| ISO 12004-1:2020 | en  fr | Metallic materials — Determination of forming-limit curves for sheet and strip — Part 1: Measurement and application of forming-limit diagrams in the press shop | B |
| TC 172 |  | Optics and photonics |  |
| ISO 11978:2017/Amd 1:2020 | en  fr | Ophthalmic optics — Contact lenses and contact lens care products — Labelling — Amendment 1 | XZ |
| TC 173 |  | Assistive products |  |
| ISO 17190-1:2020 | en | Urine-absorbing aids for incontinence — Polyacrylate superabsorbent powders — Part 1: Test method for determination of pH | A |
| ISO 17190-3:2020 | en | Urine-absorbing aids for incontinence — Polyacrylate superabsorbent powders — Part 3: Test method for determination of the particle size distribution by sieve fractionation | A |
| ISO 17190-4:2020 | en | Urine-absorbing aids for incontinence — Polyacrylate superabsorbent powders — Part 4: Test method for estimation of the moisture content as weight loss upon heating | A |
| ISO 17190-5:2020 | en | Urine-absorbing aids for incontinence — Polyacrylate superabsorbent powders — Part 5: Test method for determination of the free swell capacity in saline by gravimetric measurement | B |
| ISO 17190-6:2020 | en | Urine-absorbing aids for incontinence — Polyacrylate superabsorbent powders — Part 6: Test method for determination of the fluid retention capacity in saline solution by gravimetric measurement following centrifugation | B |
| ISO 17190-7:2020 | en | Urine-absorbing aids for incontinence — Polyacrylate superabsorbent powders — Part 7: Test method for gravimetric determination of absorption against pressure | B |
| ISO 17190-8:2020 | en | Urine-absorbing aids for incontinence — Polyacrylate superabsorbent powders — Part 8: Test method for determination of the permeability dependent absorption under pressure of saline solution by gravimetric measurement | B |
| ISO 17190-9:2020 | en | Urine-absorbing aids for incontinence — Polyacrylate superabsorbent powders — Part 9: Test method for gravimetric determination of flow rate and bulk density | B |
| ISO 17190-10:2020 | en | Urine-absorbing aids for incontinence — Polyacrylate superabsorbent powders — Part 10: Test method for determination of extractable polymer content by potentiometric titration | B |
| TC 182 |  | Geotechnics |  |
| ISO 18674-3:2017/Amd 1:2020 | fr | Geotechnical investigation and testing — Geotechnical monitoring by field instrumentation — Part 3: Measurement of displacements across a line: Inclinometers — Amendment 1 | XZ |
| ISO 22476-14:2020 | fr | Geotechnical investigation and testing — Field testing — Part 14: Borehole dynamic probing | D |
| TC 184 |  | Automation systems and integration |  |
| ISO 10303-113:2020 | en | Industrial automation systems and integration — Product data representation and exchange — Part 113: Integrated application resource: Mechanical features | D |
| ISO 22549-1:2020 | en | Automation systems and integration — Assessment on convergence of informatization and industrialization for industrial enterprises — Part 1: Framework and reference model | B |
| ISO 22549-2:2020 | en | Automation systems and integration — Assessment on convergence of informatization and industrialization for industrial enterprises — Part 2: Maturity model and evaluation methodology | F |
| TC 188 |  | Small craft |  |
| ISO 11591:2020 | en  fr | Small craft — Field of vision from the steering position | B |
| TC 190 |  | Soil quality |  |
| ISO 23753-1:2019/Amd 1:2020 | en | Soil quality — Determination of dehydrogenases activity in soils — Part 1: Method using triphenyltetrazolium chloride (TTC) — Amendment 1: Soil quality — Determination of dehydrogenases activity in soils — Part 1: Method using triphenyltetrazolium chloride (TTC) - Amendment 1 | XZ |
| ISO 23753-2:2019/Amd 1:2020 | en | Soil quality — Determination of dehydrogenases activity in soils — Part 2: Method using iodotetrazolium chloride (INT) — Amendment 1: Soil quality — Determination of dehydrogenases activity in soils — Part 2: Method using iodotetrazolium chloride (INT) - Amendment 1 | XZ |
| TC 195 |  | Building construction machinery and equipment |  |
| ISO 15643:2020 | en  fr | Road construction and maintenance equipment — Bituminous binder sprayers and synchronous bituminous binder sprayers-chip spreaders — Terminology and commercial specifications | D |
| TC 201 |  | Surface chemical analysis |  |
| ISO 16531:2020 | en | Surface chemical analysis — Depth profiling — Methods for ion beam alignment and the associated measurement of current or current density for depth profiling in AES and XPS | D |
| TC 207 |  | Environmental management |  |
| ISO 14006:2020 | es | Environmental management systems — Guidelines for incorporating ecodesign | E |
| TC 215 |  | Health informatics |  |
| ISO 17090-4:2020 | en | Health informatics — Public key infrastructure — Part 4: Digital signatures for healthcare documents | E |
| ISO/TS 22692:2020 | en | Genomics informatics— Quality control metrics for DNA sequencing | C |
| TC 216 |  | Footwear |  |
| ISO 24263:2020 | en  fr | Footwear — Attachment strength of straps, trims and accessories | A |
| ISO 24264:2020 | en  fr | Footwear — Test methods for hollow and compact heels with top pieces — Top piece attachment strength | A |
| ISO 24265:2020 | en  fr | Footwear — Test methods for uppers — Resistance to rubbing using a rubber strip | A |
| TC 219 |  | Floor coverings |  |
| ISO 10874:2009/Amd 1:2020 | en  fr | Resilient, textile and laminate floor coverings — Classification — Amendment 1: Elimination of class 22+ | XZ |
| TC 221 |  | Geosynthetics |  |
| ISO 12958-1:2020 | en | Geotextiles and geotextile-related products — Determination of water flow capacity in their plane — Part 1: Index test | C |
| ISO 12958-2:2020 | en | Geotextiles and geotextile-related products — Determination of water flow capacity in their plane — Part 2: Performance test | C |
| ISO/TS 13434:2020 | en | Geosynthetics — Guidelines for the assessment of durability | F |
| TC 249 |  | Traditional Chinese medicine |  |
| ISO/TS 20498-4:2020 | en | Traditional Chinese medicine — Computerized tongue image analysis system — Part 4: Peripheral visual instruments | A |
| TC 261 |  | Additive manufacturing |  |
| ISO/ASTM 52903-2:2020 | en  fr | Additive manufacturing — Material extrusion-based additive manufacturing of plastic materials — Part 2: Process equipment | A |
| TC 268 |  | Sustainable cities and communities |  |
| ISO 37123:2019 | fr | Sustainable cities and communities — Indicators for resilient cities | H |
| TC 274 |  | Light and lighting |  |
| ISO/TS 21274:2020 | en | Light and lighting — Commissioning of lighting systems in buildings | C |
| TC 292 |  | Security and resilience |  |
| ISO 22384:2020 | en  fr | Security and resilience — Authenticity, integrity and trust for products and documents — Guidelines to establish and monitor a protection plan and its implementation | C |
| TC 298 |  | Rare earth |  |
| ISO 22444-1:2020 | en | Rare earth — Vocabulary — Part 1: Minerals, oxides and other compounds | A |
| ISO 22444-2:2020 | en | Rare earth — Vocabulary — Part 2: Metals and their alloys | A |
| ISO 22450:2020 | en | Recycling of rare earth elements — Requirements for providing information on industrial waste and end-of-life products | C |
| TC 301 |  | Energy management and energy savings |  |
| ISO 50049:2020 | fr | Calculation methods for energy efficiency and energy consumption variations at country, region and city levels | G |
| CASCO |  | Committee on conformity assessment |  |
| ISO/IEC 17000:2020 | es | Conformity assessment — Vocabulary and general principles | A |
| JTC 1 |  | Information technology |  |
| ISO/IEC 30145-2:2020 | en | Information technology — Smart City ICT reference framework — Part 2: Smart city knowledge management framework | B |
| ISO/IEC/IEEE 12207-2:2020 | en | Systems and software engineering — Software life cycle processes — Part 2: Relation and mapping between ISO/IEC/IEEE 12207:2017 and ISO/IEC 12207:2008 | H |
| ISO/IEC/IEEE 24748-3:2020 | en | Systems and software engineering — Life cycle management — Part 3: Guidelines for the application of ISO/IEC/IEEE 12207 (software life cycle processes) | G |
| ISO/IEC 10373-1:2020 | en | Cards and security devices for personal identification — Test methods — Part 1: General characteristics | G |
| ISO/IEC 11801-2:2017 | en | Information technology — Generic cabling for customer premises — Part 2: Office premises | D |
| IEC 60796-1:1990 | en,fr | Microprocessor system bus — 8-bit and 16-bit data (MULTIBUS I) — Part 1: Functional description with electrical and timing specifications | BB |
| IEC 60796-2:1990 | en,fr | Microprocessor system bus — 8-bit and 16-bit data (MULTIBUS I) — Part 2: Mechanical and pin descriptions for the system bus configuration, with edge connectors (direct) | BK |
| IEC 60796-3:1990 | en,fr | Microprocessor system BUS I, 8-bit and 16-bit data (MULTIBUS I) — Part 3: Mechanical and pin descriptions for the Eurocard configuration with pin and socket (indirect) connectors | BK |
| IEC 60821:1991 | en,fr | VMEbus — Microprocessor system bus for 1 byte to 4 byte data | BG |
| IEC 60821:1991/Amd 1:1999 | en | VMEbus — Microprocessor system bus for 1 byte to 4 byte data — Amendment 1 | BK |
| IEC 60822:1988 | en,fr | Parallel Sub-system Bus of the IEC 821 VME bus | BC |
| IEC 60823:1990 | en,fr | Microprocessor system bus (VMSbus) — Serial sub-system bus of the IEC 821 Bus (VMEbus) | BC |
| IEC 60824:1988 | en,fr | Terminology related to microprocessors | BJ |
| IEC 60948:1988 | en,fr | Numeric keyboard for home electronic systems (HES) | BJ |
| ISO/IEC 19989-2:2020 | en | Information security — Criteria and methodology for security evaluation of biometric systems — Part 2: Biometric recognition performance | E |
| ISO/IEC 21122-5:2020 | en | Information technology — JPEG XS low-latency lightweight image coding system — Part 5: Reference software | B |
| ISO/IEC 23092-1:2020 | en | Information technology — Genomic information representation — Part 1: Transport and storage of genomic information | G |
| ISO/IEC 23092-2:2020 | en | Information technology — Genomic information representation — Part 2: Coding of genomic information | H |
| ISO/IEC 23092-4:2020 | en | Information technology — Genomic information representation — Part 4: Reference software | A |
| ISO/IEC 23094-1:2020 | en | Information technology — General video coding — Part 1: Essential video coding | H |
| ISO/IEC 18046-3:2020 | en | Information technology — Radio frequency identification device performance test methods — Part 3: Test methods for tag performance | G |
| ISO/IEC 19823-16:2020 | en | Information technology — Conformance test methods for security service crypto suites — Part 16: Crypto suite ECDSA-ECDH security services for air interface communications | D |
| ISO/IEC 19763-3:2020 | en | Information technology — Metamodel framework for interoperability (MFI) — Part 3: Metamodel for ontology registration | F |
| ISO/IEC 30113-60:2020 | en | Information technology — Gesture-based interfaces across devices and methods — Part 60: General guidance on gestures for screen readers | B |
| ISO/IEC 20013:2020 | en | Information technology for learning, education and training — Reference framework of e-Portfolio information | F |
| ISO/IEC TR 23842-1:2020 | en | Information technology for learning, education and training — Human factor guidelines for virtual reality content — Part 1: Considerations when using VR content | A |
| ISO/IEC TR 23842-2:2020 | en | Information technology for learning, education, and training — Human factor guidelines for virtual reality content — Part 2: Considerations when making VR content | A |
| ISO/IEC TR 23843:2020 | en | Information technology for learning, education and training — Catalogue model for virtual, augmented and mixed reality content | D |
| ISO/IEC TS 29140:2020 | en | Information technology for learning, education and training — Nomadicity and mobile technologies | F |
| ISO/IEC 19944-1:2020 | en | Cloud computing and distributed platforms ─ Data flow, data categories and data use — Part 1: Fundamentals | G |
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| Standards confirmed | |
| The following International Standards are confimred for a five year period: | |
| TC 4 | Rolling bearings |
| ISO 12240-1:1998 | (reconfirmed) |
| ISO 12240-2:1998 | (reconfirmed) |
| ISO 12240-3:1998 | (reconfirmed) |
| ISO 12240-4:1998 | (reconfirmed) |
| TC 6 | Paper, board and pulps |
| ISO 3689:1983 | (reconfirmed) |
| ISO 5626:1993 | (reconfirmed) |
| ISO 5636-6:2015 |  |
| TC 8 | Ships and marine technology |
| ISO 5621:1984 | (reconfirmed) |
| TC 17 | Steel |
| ISO 683-17:2014 |  |
| ISO 683-18:2014 |  |
| ISO 4969:2015 |  |
| TC 20 | Aircraft and space vehicles |
| ISO 1965:1973 | (reconfirmed) |
| ISO 5866:1983 | (reconfirmed) |
| ISO 6859-1:1982 | (reconfirmed) |
| ISO 8668-1:1986 | (reconfirmed) |
| ISO 8668-3:1994 | (reconfirmed) |
| ISO 8668-4:1993 | (reconfirmed) |
| ISO 8668-6:1994 | (reconfirmed) |
| TC 22 | Road vehicles |
| ISO 20826:2006 | (reconfirmed) |
| TC 23 | Tractors and machinery for agriculture and forestry |
| ISO 23205:2014 |  |
| ISO 8083:2006 | (reconfirmed) |
| ISO 19472:2006 | (reconfirmed) |
| ISO 7113:1999 | (reconfirmed) |
| ISO 8380:1993 | (reconfirmed) |
| ISO 11545:2009 | (reconfirmed) |
| TC 28 | Petroleum and related products, fuels and lubricants from natural or synthetic sources |
| ISO 7941:1988 | (reconfirmed) |
| ISO 11158:2009 | (reconfirmed) |
| TC 30 | Measurement of fluid flow in closed conduits |
| ISO 11631:1998 | (reconfirmed) |
| TC 35 | Paints and varnishes |
| ISO 6860:2006 | (reconfirmed) |
| ISO 21227-2:2006 | (reconfirmed) |
| TC 37 | Language and terminology |
| ISO 22128:2008 | (reconfirmed) |
| TC 38 | Textiles |
| ISO 10547:2009 | (reconfirmed) |
| ISO 10554:2009 | (reconfirmed) |
| ISO 10556:2009 | (reconfirmed) |
| ISO 10572:2009 | (reconfirmed) |
| ISO 2061:2015 |  |
| TC 39 | Machine tools |
| ISO 230-7:2015 |  |
| ISO 7988:1988 | (reconfirmed) |
| ISO 9265:1988 | (reconfirmed) |
| TC 44 | Welding and allied processes |
| ISO 2503:2009 | (reconfirmed) |
| ISO 5172:2006 | (reconfirmed) |
| ISO 15614-2:2005 | (reconfirmed) |
| TC 45 | Rubber and rubber products |
| ISO 6807:2003 | (reconfirmed) |
| ISO 8032:1997 | (reconfirmed) |
| ISO 9028:2006 | (reconfirmed) |
| TC 46 | Information and documentation |
| ISO 10160:2015 |  |
| TC 61 | Plastics |
| ISO 16620-1:2015 |  |
| ISO 16620-3:2015 |  |
| TC 67 | Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries |
| ISO/TR 13881:2000 | (reconfirmed) |
| ISO 15463:2003 | (reconfirmed) |
| TC 68 | Financial services |
| ISO/TS 12812-2:2017 |  |
| ISO/TS 12812-3:2017 |  |
| ISO/TS 12812-4:2017 |  |
| ISO/TS 12812-5:2017 |  |
| TC 71 | Concrete, reinforced concrete and pre-stressed concrete |
| ISO 1920-12:2015 |  |
| ISO 22965-1:2007 | (reconfirmed) |
| ISO 22965-2:2007 | (reconfirmed) |
| TC 72 | Textile machinery and accessories |
| ISO 9947:2005 | (reconfirmed) |
| TC 83 | Sports and other recreational facilities and equipment |
| ISO 11497:1998 | (reconfirmed) |
| ISO 13992:2014 |  |
| ISO 14790:2005 | (reconfirmed) |
| ISO 22264:2006 | (reconfirmed) |
| TC 92 | Fire safety |
| ISO/TS 3814:2014 | (reconfirmed) |
| ISO 5657:1997 | (reconfirmed) |
| ISO/TS 5658-1:2006 | (reconfirmed) |
| ISO 10295-2:2009 | (reconfirmed) |
| TC 96 | Cranes |
| ISO 4310:2009 | (reconfirmed) |
| ISO 11629:2004 | (reconfirmed) |
| TC 106 | Dentistry |
| ISO 13397-1:1995 | (reconfirmed) |
| TC 118 | Compressors and pneumatic tools, machines and equipment |
| ISO 5390:1977 | (reconfirmed) |
| TC 122 | Packaging |
| ISO 6591-1:1984 | (reconfirmed) |
| ISO 6591-2:1985 | (reconfirmed) |
| ISO 8351-1:1994 | (reconfirmed) |
| ISO 8351-2:1994 | (reconfirmed) |
| ISO 11897:1999 | (reconfirmed) |
| ISO 15867:2003 | (reconfirmed) |
| ISO 17480:2015 |  |
| ISO/TS 18614:2016 |  |
| ISO/TS 19709-3:2016 |  |
| ISO 20848-1:2006 | (reconfirmed) |
| ISO 20848-2:2006 | (reconfirmed) |
| TC 131 | Fluid power systems |
| ISO 4395:2009 | (reconfirmed) |
| ISO 6020-2:2015 |  |
| ISO 10762:2015 |  |
| ISO 3723:2015 |  |
| ISO 18413:2015 |  |
| TC 135 | Non-destructive testing |
| ISO 18563-1:2015 |  |
| TC 138 | Plastics pipes, fittings and valves for the transport of fluids |
| ISO 3126:2005 | (reconfirmed) |
| ISO 4059:1978 | (reconfirmed) |
| ISO 17454:2006 | (reconfirmed) |
| ISO 25780:2011 |  |
| TC 146 | Air quality |
| ISO 14385-1:2014 |  |
| TC 153 | Valves |
| ISO 28921-2:2015 |  |
| TC 162 | Doors, windows and curtain walling |
| ISO 6442:2005 | (reconfirmed) |
| ISO 6443:2005 | (reconfirmed) |
| TC 164 | Mechanical testing of metals |
| ISO 8491:1998 | (reconfirmed) |
| ISO 8492:2013 |  |
| ISO 8493:1998 | (reconfirmed) |
| ISO 8494:2013 |  |
| ISO 8495:2013 |  |
| ISO 8496:2013 |  |
| TC 183 | Copper, lead, zinc and nickel ores and concentrates |
| ISO 10251:2006 | (reconfirmed) |
| ISO 12744:2006 | (reconfirmed) |
| TC 185 | Safety devices for protection against excessive pressure |
| ISO 4126-9:2008 | (reconfirmed) |
| TC 190 | Soil quality |
| ISO 10382:2002 | (reconfirmed) |
| ISO 11047:1998 | (reconfirmed) |
| ISO 11264:2005 | (reconfirmed) |
| ISO 11271:2002 | (reconfirmed) |
| ISO 11465:1993 | (reconfirmed) |
| ISO 13878:1998 | (reconfirmed) |
| ISO 14255:1998 | (reconfirmed) |
| ISO 14507:2003 | (reconfirmed) |
| ISO 16703:2004 | (reconfirmed) |
| ISO 16720:2005 | (reconfirmed) |
| ISO/TS 16965:2013 | (reconfirmed) |
| ISO 20279:2005 | (reconfirmed) |
| TC 198 | Sterilization of health care products |
| ISO/TS 13004:2013 | (reconfirmed) |
| TC 207 | Environmental management |
| ISO 14046:2014 |  |
| ISO/TS 14048:2002 | (reconfirmed) |
| TC 211 | Geographic information/Geomatics |
| ISO 19147:2015 |  |
| ISO 19150-2:2015 |  |
| TC 219 | Floor coverings |
| ISO 16581:2014 |  |
| ISO 24011:2009 | (reconfirmed) |
| TC 221 | Geosynthetics |
| ISO 10318-1:2015 |  |
| ISO 10318-2:2015 |  |
| TC 256 | Pigments, dyestuffs and extenders |
| ISO 18473-2:2015 |  |
| IULTCS | International Union of Leather Technologists and Chemists Societies |
| ISO 2588:2014 |  |
| ISO 4684:2005 | (reconfirmed) |
| ISO 5398-2:2009 | (reconfirmed) |
| ISO 11643:2009 | (reconfirmed) |
| ISO 11646:2014 |  |
| ISO 17228:2015 |  |
| ISO 17489:2013 |  |
| JTC 1 | Information technology |
| ISO/IEC 24789-1:2012 | (reconfirmed) |
| ISO/IEC 24789-2:2011 | (reconfirmed) |
| ISO/IEC TS 20071-25:2017 |  |
| ISO/IEC 19788-1:2011 | (reconfirmed) |
| ISO/IEC 19788-4:2014 |  |
| ISO/IEC 24751-1:2008 | (reconfirmed) |
| ISO/IEC 24751-2:2008 |  |
| ISO/IEC 24751-3:2008 |  |
| ISO/IEC TR 20000-12:2016 |  |

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| Standards withdrawn | |
| Period from 01 October to 01 November 2020 | |
| TC 8 | Ships and marine technology |
| IEC 62065:2002 | (replaced by ) |
| TC 46 | Information and documentation |
| ISO 16175-2:2011 | (replaced by ISO/TS 16175-2:2020) |
| ISO 16175-3:2010 | (replaced by ISO/TS 16175-2:2020) |
| TC 84 | Devices for administration of medicinal products and catheters |
| ISO/PAS 18761:2013 | (replaced by ) |
| TC 150 | Implants for surgery |
| IEC/TR 62653:2012 | (replaced by ) |
| TC 184 | Automation systems and integration |
| ISO 10303-522:2014 | (replaced by ISO 10303-113:2020) |
| TC 192 | Gas turbines |
| ISO 3977-5:2001 | (replaced by ) |
| ISO 3977-7:2002 | (replaced by ) |
| TC 207 | Environmental management |
| ISO/TR 14062:2002 | (replaced by ) |
| TC 210 | Quality management and corresponding general aspects for medical devices |
| ISO/TS 19218-1:2011 | (replaced by ) |
| ISO/TS 19218-1:2011/Amd 1:2013 | (replaced by ) |
| ISO/TS 19218-2:2012 | (replaced by ) |
| TC 221 | Geosynthetics |
| ISO 12958:2010 | (replaced by ISO 12958-1:2020, ISO 12958-2:2020) |
| JTC 1 | Information technology |
| ISO/IEC TR 24748-3:2011 | (replaced by ISO/IEC/IEEE 24748-3:2020) |
| IEC 796-1:1990 | (replaced by IEC 60796-1:1990) |
| IEC 796-2:1990 | (replaced by IEC 60796-2:1990) |
| IEC 796-3:1990 | (replaced by IEC 60796-3:1990) |
| IEC 821:1991 | (replaced by IEC 60821:1991) |
| IEC 822:1988 | (replaced by IEC 60822:1988) |
| IEC 823:1990 | (replaced by ) |
| IEC 824:1988 | (replaced by IEC 60824:1988) |
| IEC 948:1988 | (replaced by IEC 60948:1988) |
| IEC 60823:1990 | (replaced by ) |
| ISO/IEC TS 20013:2015 | (replaced by ISO/IEC 20013:2020) |
| ISO/IEC TS 29140-1:2011 | (replaced by ISO/IEC TS 29140:2020) |
| ISO/IEC TS 29140-2:2011 | (replaced by ISO/IEC TS 29140:2020) |
| ISO/IEC 19944:2017 | (replaced by ISO/IEC 19944-1:2020) |

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| Meeting calendar | |
| The meeting calendar is available at | |
| https://www.iso.org/meeting-calendar.html | |
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