

## ISO NORMAS PUBLICADAS

### MAIO E JUNHO

#### **ISO/IEC JTC 1 – Information technology**

ISO/IEC 14496-4:2004/Amd 46:2019 - Conformance testing for internet video coding

ISO/IEC 19479:2019 - Information technology for learning, education, and training -- Learner mobility achievement information (LMAI)

ISO/IEC 15693-2:2019 - Cards and security devices for personal identification -- Contactless vicinity objects -- Part 2: Air interface and initialization

ISO/IEC 15693-3:2019 - Cards and security devices for personal identification -- Contactless vicinity objects -- Part 3: Anticollision and transmission protocol

ISO/IEC 14492:2019 - Information technology --Lossy/lossless coding of bi-level images

ISO/IEC 14496-5:2001/Amd 41:2019 - Reference software for internet video coding

ISO/IEC 8824-1:2015/Amd 1:2019 - Relaxing imports clause to allow importation of definitions from new versions of a given module

ISO/IEC/IEEE 15026-1:2019 - Systems and software engineering -- Systems and software assurance -- Part 1: Concepts and vocabulary

ISO/IEC 14543-5-12:2019 -Information technology -- Home electronic systems (HES) architecture -- Part 5-12: Intelligent grouping and resource sharing for HES Class 2 and Class 3 -- Remote access test and verification

ISO/IEC 23005-6:2019 - Information technology -- Media context and control -- Part 6: Common types and tools

ISO/IEC 23001-11:2019 - Information technology -- MPEG systems technologies -- Part 11: Energy-efficient media consumption (green metadata)

ISO/IEC 24773-1:2019 - Software and systems engineering -- Certification of software and systems engineering professionals -- Part 1: General requirements

#### **ISO/TC 4 - Rolling bearings**

ISO 5593:2019 - Rolling bearings -- Vocabulary

#### **ISO/TC 6 – Paper, board and pulps**

ISO 12625-1:2019 - Tissue paper and tissue products -- Part 1: Vocabulary

ISO 11093-9:2019 - Paper and board -- Testing of cores -- Part 9: Determination of flat crush resistance

### **ISO/TC 8 – Ships and marine technology**

ISO 22419:2019 - Ships and marine technology -- Testing specification for handrails using electrical resistance trace heating

ISO 21885:2019 - Ships and marine technology -- Testing specification for stairsteps using electrical resistance trace heating

ISO 21130:2019 - Ships and marine technology -- Major components of emergency towing arrangements

ISO 21711:2019 - Marine structures -- Mobile offshore units -- Chain wheels

ISO 21539:2019 - Ships and marine technology -- Testing specification for walkways using electrical resistance trace heating

IEC/IEEE 80005-1:2019 - Utility connections in port -- Part 1: High voltage shore connection (HVSC) systems -- General requirements

### **ISO/TC 10 – Technical product documentation**

ISO 8560:2019 - Technical drawings -- Construction drawings -- Representation of modular sizes, lines and grids

ISO 20318-2:2019 - Mechanical pencils and leads for general use -- Classification, dimensions, quality and test methods -- Part 2: Black leads

### **ISO/TC 17 - Steel**

ISO 11484:2019 - Steel products -- Employer's qualification system for non-destructive testing (NDT) personnel

### **ISO/TC 20 - Aircraft and space vehicles**

ISO 11231:2019 - Space systems -- Probabilistic risk assessment (PRA)

ISO 21886:2019 - Space systems -- Configuration management

### **ISO/TC 21 – Equipment for fire protection and fire fighting**

ISO 6182-12:2019 - Fire protection -- Automatic sprinkler systems -- Part 12: Requirements and test methods for grooved-end components for steel pipe systems

ISO 21927-4:2019 - Smoke and heat control systems -- Part 4: Natural smoke and heat exhaust ventilators -- Design, requirements and installation

### **ISO/TC 22 – Road vehicles**

ISO 15118-1:2019 - Road vehicles -- Vehicle to grid communication interface -- Part 1: General information and use-case definition

ISO 19642-1:2019 - Road vehicles -- Automotive cables -- Part 1: Vocabulary and design guidelines

ISO 20080:2019 - Road vehicles -- Information for remote diagnostic support -- General requirements, definitions and use cases

ISO 4141-2:2019 - Road vehicles -- Multi-core connecting cables -- Part 2: Test methods and requirements for high performance sheathed cables

ISO 4141-2:2019 - Road vehicles -- Multi-core connecting cables -- Part 2: Test methods and requirements for high performance sheathed cables

ISO 4141-3:2019 - Road vehicles -- Multi-core connecting cables -- Part 3: Construction, dimensions and marking of unscreened sheathed low-voltage cables

ISO 17840-2:2019 - Road vehicles -- Information for first and second responders -- Part 2: Rescue sheet for buses, coaches and heavy commercial vehicles

ISO 14851:2019 - Determination of the ultimate aerobic biodegradability of plastic materials in an aqueous medium -- Method by measuring the oxygen demand in a closed respirometer

ISO 20574:2019 - Road vehicles -- Durability test method for starter motor for stop and start system

ISO 20078-3:2019 - Road vehicles -- Extended vehicle (ExVe) web services -- Part 3: Security

ISO 20934:2019 - Road vehicles -- Fuse-links with axial terminals for use in 48V networks -- Types SF36-70V, SF51-70V and SF56-70V

ISO 6469-1:2019 - Electrically propelled road vehicles -- Safety specifications -- Part 1: Rechargeable energy storage system (RESS)

ISO 7975:2019 - Passenger cars -- Braking in a turn -- Open-loop test method

ISO 20766-9:2019 - Road vehicles -- Liquefied petroleum gas (LPG) fuel systems components -- Part 9: Pressure relieve device (PRD)

### **ISO/TC 23 -Tractors and machinery for agriculture and forestry**

ISO 11783-7:2015 - Tractors and machinery for agriculture and forestry -- Serial control and communications data network -- Part 7: Implement messages application layer

ISO 6489-5:2019 - Agricultural vehicles -- Mechanical connections between towed and towing vehicles -- Part 5: Specifications for non-swivel clevis couplings

ISO 11783-2:2019 - Tractors and machinery for agriculture and forestry -- Serial control and communications data network -- Part 2: Physical layer

## **ISO/TC 28 – Petroleum and related products, fuels and lubricants from natural or synthetic sources**

ISO 3405:2019 - Petroleum and related products from natural or synthetic sources -- Determination of distillation characteristics at atmospheric pressure

ISO 22995:2019 - Petroleum products -- Determination of cloud point -- Automated step-wise cooling method

ISO 3016:2019 - Petroleum and related products from natural or synthetic sources -- Determination of pour point

ISO 3015:2019 - Petroleum and related products from natural or synthetic sources -- Determination of cloud point

ISO 8068:2006/Amd 1:2019 - Filterability tests according to ISO 13357-1 and ISO 13357-2 -- Requirements related to the stage of the test method

## **ISO/TC 34 – Food products**

ISO 7305:2019 - Milled cereal products -- Determination of fat acidity

ISO 20976-1:2019 - Microbiology of the food chain -- Requirements and guidelines for conducting challenge tests of food and feed products -- Part 1: Challenge tests to study growth potential, lag time and maximum growth rate

ISO 12871:2019 - Olive oils and olive-pomace oils -- Determination of aliphatic and triterpenic alcohols content by capillary gas chromatography

## **ISO/TC 35 –Paints and varnishes**

ISO 2812-3:2019 - Paints and varnishes -- Determination of resistance to liquids -- Part 3: Method using an absorbent medium

ISO 8130-1:2019 - Coating powders -- Part 1: Determination of particle size distribution by sieving

ISO 8130-7:2019 - Coating powders -- Part 7: Determination of loss of mass on stoving

ISO 22970:2019 - Paints and varnishes -- Test method for evaluation of adhesion of elastic adhesives on coatings by peel test, peel strength test and tensile lap-shear strength test with additional stress by condensation test or cataplasm storage

ISO 8130-14:2019 - Coating powders -- Part 14: Vocabulary

ISO 23168:2019 - Paints and varnishes -- Determination of water content -- Gas-chromatographic method

ISO 8130-12:2019 - Coating powders -- Part 12: Determination of compatibility

ISO 8130-11:2019 - Coating powders -- Part 11: Inclined-plane flow test

ISO 8130-13:2019 -Coating powders -- Part 13: Particle size analysis by laser diffraction

### **ISO/TC 37 - Language and terminology**

ISO 20228:2019 - Interpreting services -- Legal interpreting – Requirements

ISO 22259:2019 - Conference systems -- Equipment – Requirements

ISO 30042:2019 - Management of terminology resources -- TermBase eXchange (TBX)

### **ISO/TC 38 –Textiles**

ISO 1833-16:2019 - Textiles -- Quantitative chemical analysis -- Part 16: Mixtures of polypropylene fibres with certain other fibres (method using xylene)

ISO 1833-18:2019 - Textiles -- Quantitative chemical analysis -- Part 18: Mixtures of silk with other protein fibres (method using sulfuric acid)

ISO 1833-3:2019 - Textiles -- Quantitative chemical analysis -- Part 3: Mixtures of acetate with certain other fibres (method using acetone)

ISO 1833-10:2019 - Textiles -- Quantitative chemical analysis -- Part 10: Mixtures of triacetate or polylactide with certain other fibres (method using dichloromethane)

ISO 1833-21:2019 - Textiles -- Quantitative chemical analysis -- Part 21: Mixtures of chlorofibres, certain modacrylics, certain elastanes, acetates, triacetates with certain other fibres (method using cyclohexanone)

ISO 9092:2019 - Nonwovens – Vocabulary

### **ISO/TC 39 – Machine tools**

ISO 19085-9:2019 - Woodworking machines -- Safety -- Part 9: Circular saw benches (with and without sliding table)

ISO 2772:2019 - Test conditions for box type vertical drilling machines -- Testing of the accuracy

### **ISO/TC 41 – Pulleys and belts (including veebelts)**

ISO 21342:2019 - Synchronous belt drives -- Automotive belts and pulleys

ISO 155:2019 - Belt drives -- Pulleys -- Limiting values for adjustment of centres

### **ISO/TC 42 - Photography**

ISO 516:2019 - Camera shutters -- Timing -- General definition and mechanical shutter measurements

### **ISO/TC 44 -Welding and allied processes**

ISO 2553:2019 - Welding and allied processes -- Symbolic representation on drawings -- Welded joints

ISO 14174:2019 - Welding consumables -- Fluxes for submerged arc welding and electroslag welding -- Classification

ISO 24598:2019 - Welding consumables -- Solid wire electrodes, tubular cored electrodes and electrode-flux combinations for submerged arc welding of creep-resisting steels -- Classification

### **ISO/TC 45 – Rubber and rubber products**

ISO 2303:2019 - Isoprene rubber (IR) -- Non-oil-extended, solution-polymerized types -- Evaluation procedures

ISO 248-2:2019 - Rubber, raw -- Determination of volatile-matter content -- Part 2: Thermogravimetric methods using an automatic analyser with an infrared drying unit

### **ISO/TC 46 –Information and documentation**

ISO 21248:2019 - Information and documentation -- Quality assessment for national libraries

ISO 8:2019 - Information and documentation -- Presentation and identification of periodicals

### **ISO/TC 61 – Plastics**

ISO 21746:2019 - Composites and metal assemblies -- Galvanic corrosion tests of carbon fibre reinforced plastics (CFRPs) related bonded or fastened structures in artificial atmospheres -- Salt spray tests

ISO 6721-6:2019 - Plastics -- Determination of dynamic mechanical properties -- Part 6: Shear vibration -- Non-resonance method

ISO 6721-5:2019 - Plastics -- Determination of dynamic mechanical properties -- Part 5: Flexural vibration -- Non-resonance method

ISO 6721-7:2019 - Plastics -- Determination of dynamic mechanical properties -- Part 7: Torsional vibration -- Non-resonance method

ISO 15512:2019 - Plastics -- Determination of water content

ISO 6721-1:2019 - Plastics -- Determination of dynamic mechanical properties -- Part 1: General principles

ISO 6721-2:2019 - Plastics -- Determination of dynamic mechanical properties -- Part 2: Torsion-pendulum method

ISO 15023-2:2019 - Plastics -- Poly(vinyl alcohol) (PVAL) materials -- Part 2: Determination of properties

ISO 307:2019 - Plastics -- Polyamides -- Determination of viscosity number

ISO 14851:2019 - Determination of the ultimate aerobic biodegradability of plastic materials in an aqueous medium -- Method by measuring the oxygen demand in a closed respirometer

ISO 6721-8:2019 - Plastics -- Determination of dynamic mechanical properties -- Part 8: Longitudinal and shear vibration -- Wave-propagation method

ISO 6721-9:2019 - Plastics -- Determination of dynamic mechanical properties -- Part 9: Tensile vibration -- Sonic-pulse propagation method

ISO 21304-1:2019 - Plastics -- Ultra-high-molecular-weight polyethylene (PE-UHMW) moulding and extrusion materials -- Part 1: Designation system and basis for specifications

ISO 21306-1:2019 - Plastics -- Unplasticized poly(vinyl chloride) (PVC-U) moulding and extrusion materials -- Part 1: Designation system and basis for specifications

ISO 21306-2:2019 - Plastics -- Unplasticized poly(vinyl chloride) (PVC-U) moulding and extrusion materials -- Part 2: Preparation of test specimens and determination of properties

ISO 178:2019 - Plastics -- Determination of flexural properties

ISO 17556:2019 - Plastics -- Determination of the ultimate aerobic biodegradability of plastic materials in soil by measuring the oxygen demand in a respirometer or the amount of carbon dioxide evolved

ISO 13975:2019 - Plastics -- Determination of the ultimate anaerobic biodegradation of plastic materials in controlled slurry digestion systems -- Method by measurement of biogas production

ISO 11003-1:2019 - Adhesives -- Determination of shear behaviour of structural adhesives -- Part 1: Torsion test method using butt-bonded hollow cylinders

### **ISO/TC 67 - Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries**

ISO 21809-11:2019 - Petroleum and natural gas industries -- External coatings for buried or submerged pipelines used in pipeline transportation systems -- Part 11: Coatings for in-field application, coating repairs and rehabilitation

ISO 23251:2019 - Petroleum, petrochemical and natural gas industries -- Pressure-relieving and depressuring systems

### **ISO/TC 68 - Financial services**

ISO 17442:2019 - Financial services -- Legal entity identifier (LEI)

### **ISO/TC 70 - Internal combustion engines**

ISO 2710-2:2019 - Reciprocating internal combustion engines -- Vocabulary -- Part 2: Terms for engine maintenance

### **ISO/TC 79 -Light metals and their alloys**

ISO 2376:2019 - Anodizing of aluminium and its alloys -- Determination of breakdown voltage and withstand voltage

## **ISO/TC 83 – Sports and other recreational facilities and equipment**

ISO 9523:2019 - Touring ski-boots for adults -- Interface with touring ski-bindings -- Requirements and test methods

ISO 9838:2019 - Alpine and touring ski-bindings -- Test soles for ski-binding tests

ISO 5355:2019 - Alpine ski-boots -- Requirements and test methods

ISO 13993:2019 - Rental ski shop practice -- Sampling and inspection of complete and incomplete alpine ski-binding-boot systems in rental applications

## **ISO/TC 85 - Nuclear energy, nuclear technologies, and radiological protection**

ISO 20046:2019 - Radiological protection -- Performance criteria for laboratories using Fluorescence In Situ Hybridization (FISH) translocation assay for assessment of exposure to ionizing radiation

## **ISO/TC 86 -Refrigeration and air-conditioning**

ISO 19967-1:2019 - Heat pump water heaters -- Testing and rating for performance -- Part 1: Heat pump water heater for hot water supply

## **ISO/TC 92 -Fire safety**

ISO 24678-1:2019 - Fire safety engineering -- Requirements governing algebraic formulae -- Part 1: General requirements

ISO 24678-7:2019 - Fire safety engineering -- Requirements governing algebraic formulae -- Part 7: Radiation heat flux received from an open pool fire

## **ISO/TC 94 – Personal safety -- Personal protective equipment**

ISO 22568-3:2019 - Foot and leg protectors -- Requirements and test methods for footwear components -- Part 3: Metallic perforation resistant inserts

ISO 18889:2019 - Protective gloves for pesticide operators and re-entry workers -- Performance requirements

ISO 22568-2:2019 - Foot and leg protectors -- Requirements and test methods for footwear component -- Part 2: Non-metallic toecaps

ISO 22568-1:2019 - Foot and leg protectors -- Requirements and test methods for footwear components -- Part 1: Metallic toecaps

ISO 18889:2019 - Protective gloves for pesticide operators and re-entry workers -- Performance requirements

ISO 22568-4:2019 - Foot and leg protectors -- Requirements and test methods for footwear components -- Part 4: Non-metallic perforation resistant inserts

## **ISO/TC 96 -Cranes**

ISO 9927-3:2019 - Cranes -- Inspections -- Part 3: Tower cranes

ISO 10245-3:2019 - Cranes -- Limiting and indicating devices -- Part 3: Tower cranes

## **ISO/TC 102 – Iron ore and direct reduced iron**

ISO 2597-2:2019 - Iron ores -- Determination of total iron content -- Part 2: Titrimetric methods after titanium(III) chloride reduction

ISO 4701:2019 - Iron ores and direct reduced iron -- Determination of size distribution by sieving

## **ISO/TC 106 - Dentistry**

ISO 7492:2019 - Dentistry -- Dental explorer

ISO 9873:2019 - Dentistry -- Intra-oral mirrors

## **ISO/TC 107 – Metallic and other inorganic coatings**

ISO 8289-2:2019 - Vitreous and porcelain enamels -- Low-voltage test for detecting and locating defects -- Part 2: Slurry test for profiled surfaces

ISO 11177:2019 - Vitreous and porcelain enamels -- Inside and outside enamelled valves and pressure pipe fittings for untreated and potable water supply -- Quality requirements and testing

## **ISO/TC 108 - Mechanical vibration, shock and condition monitoring**

ISO 5982:2019 - Mechanical vibration and shock -- Range of idealized values to characterize human biodynamic response under whole-body vibration

ISO 18434-2:2019 - Condition monitoring and diagnostics of machine systems -- Thermography -  
- Part 2: Image interpretation and diagnostics

## **ISO/TC 110 - Industrial trucks**

ISO 15871:2019 - Industrial trucks -- Specifications for indicator lights for container handling and grapple arm operations

## **ISO/TC 117 - Fans**

ISO 12759 - Fans -- Efficiency classification for fans -- Part 2: Standard losses for drive components

ISO 12759-3:2019 - Fans -- Efficiency classification for fans -- Part 3: Fans without drives at maximum operating speed

## **ISO/TC 119 - Powder metallurgy**

ISO 4491-4:2019 - Metallic powders -- Determination of oxygen content by reduction methods -- Part 4: Total oxygen by reduction-extraction

## **ISO/TC 123 – Plain bearings**

ISO 12129-2:2019 - Plain bearings -- Tolerances -- Part 2: Tolerances on form and position and surface roughness for shafts and thrust collars

ISO 12129-1:2019 - Plain bearings -- Tolerances -- Part 1: Fits

ISO 19349:2019 - Plain bearings with liquid lubrication -- Lubricant supply arrangements and monitoring

ISO 4386-1:2019 - Plain bearings -- Metallic multilayer plain bearings -- Part 1: Non-destructive ultrasonic testing of bond of thickness greater than or equal to 0,5 mm

ISO 4386-2:2019 - Plain bearings -- Metallic multilayer plain bearings -- Part 2: Destructive testing of bond for bearing metal layer thicknesses greater than or equal to 2 mm

## **ISO/TC 126 - Tobacco and tobacco products**

ISO 22253:2019 - Cigarettes -- Determination of nicotine in total particulate matter from the mainstream smoke with an intense smoking regime -- Gas-chromatographic method

## **ISO/TC 127 - Earth-moving machinery**

ISO 20474-15:2019 - Earth-moving machinery -- Safety -- Part 15: Requirements for compact tool carriers

## **ISO/TC 130 -Graphic technology**

ISO 16684-1:2019 - Graphic technology -- Extensible metadata platform (XMP) -- Part 1: Data model, serialization and core properties

## **ISO/TC 131 - Fluid power systems**

ISO 6149-1:2019 - Connections for hydraulic fluid power and general use -- Ports and stud ends with ISO 261 metric threads and O-ring sealing -- Part 1: Ports with truncated housing for O-ring seal

## **ISO/TC 135 - Non-destructive testing**

ISO 15549:2019 - Non-destructive testing -- Eddy current testing -- General principles

## **ISO/TC 138 - Plastics pipes, fittings and valves for the transport of fluids**

ISO 11413:2019 - Plastics pipes and fittings -- Preparation of test piece assemblies between a polyethylene (PE) pipe and an electrofusion fitting

## **ISO/TC 146 - Air quality**

ISO 17735:2019 - Workplace atmospheres -- Determination of total isocyanate groups in air using 1-(9-anthracenylmethyl)piperazine (MAP) reagent and liquid chromatography

ISO 12219-9:2019 - Interior air of road vehicles -- Part 9: Determination of the emissions of volatile organic compounds from vehicle interior parts -- Large bag method

### **ISO/TC 147 – Water quality**

ISO 9698:2019 - Water quality -- Tritium -- Test method using liquid scintillation counting

ISO 12010:2019 - Water quality -- Determination of short-chain polychlorinated alkanes (SCCP) in water -- Method using gas chromatography-mass spectrometry (GC-MS) and negative-ion chemical ionization (NCI)

ISO 21115:2019 - Water quality -- Determination of acute toxicity of water samples and chemicals to a fish gill cell line (RTgill-W1)

### **ISO/TC 150 – Implants for surgery**

ISO 6474-2:2019 - Implants for surgery -- Ceramic materials -- Part 2: Composite materials based on a high-purity alumina matrix with zirconia reinforcement

ISO 6474-1:2019 - Implants for surgery -- Ceramic materials -- Part 1: Ceramic materials based on high purity alumina

ISO 13782:2019 - Implants for surgery -- Metallic materials -- Unalloyed tantalum for surgical implant applications

### **ISO/TC 155 - Nickel and nickel alloys**

ISO 12725:2019 - Nickel and nickel alloy castings

ISO 18091:2019 - Quality management systems -- ISO 23163:2019 - Nickel and nickel alloys -- Refined nickel -- Sampling

### **ISO/TC 159 – Ergonomics**

ISO 9241-220:2019 - Ergonomics of human-system interaction -- Part 220: Processes for enabling, executing and assessing human-centred design within organizations

ISO 24508:2019 - Ergonomics -- Accessible design -- Guidelines for designing tactile symbols and characters

### **ISO/TC 172 - Optics and photonics**

ISO 9345:2019 - Microscopes -- Interfacing dimensions for imaging components

### **ISO/TC 176 - Quality management and quality assurance**

Guidelines for the application of ISO 9001 in local government

### **ISO/TC 178 - Lifts, escalators and moving walks**

ISO 8100-1:2019 - Lifts for the transport of persons and goods -- Part 1: Passenger and goods passenger lifts

ISO 8100-2:2019 - Lifts for the transport of persons and goods -- Part 2: Design rules, calculations, examinations and tests of lift components

### **ISO/TC 184 - Automation systems and integration**

ISO 16300-2:2019 - Automation systems and integration -- Interoperability of capability units for manufacturing application solutions -- Part 2: Capability templates and software unit cataloguing

### **ISO/TC 188 - Small craft**

ISO 11591:2019 - Small craft -- Field of vision from the steering position

ISO 11592-2:2019 - Small craft -- Determination of maximum propulsion power rating using manoeuvring speed -- Part 2: Craft with a length of hull between 8 m and 24 m

### **ISO/TC 190 – Soil quality**

ISO 21285:2019 - Soil quality -- Inhibition of reproduction of the soil mite (*Hypoaspis aculeifer*) by soil contaminants

ISO 15799:2019 - Soil quality -- Guidance on the ecotoxicological characterization of soils and soil materials

### **ISO/TC 198 - Sterilization of health care products**

ISO 11138-7:2019 - Sterilization of health care products -- Biological indicators -- Part 7: Guidance for the selection, use and interpretation of results

### **ISO/TC 199 - Safety of machinery**

ISO 13851:2019 - Safety of machinery -- Two-hand control devices -- Principles for design and selection

### **ISO/TC 204 - Intelligent transport systems**

ISO 15638-22:2019 - Intelligent transport systems -- Framework for collaborative telematics applications for regulated commercial freight vehicles (TARV) -- Part 22: Freight vehicle stability monitoring

ISO 17438-4:2019 - Intelligent transport systems -- Indoor navigation for personal and vehicle ITS station -- Part 4: Requirements and specifications for interface between personal/vehicle and central ITS station

### **ISO/TC 206 -Fine ceramics**

ISO 21618:2019 - Fine ceramics (advanced ceramics, advanced technical ceramics) -- Test method for fracture resistance of monolithic ceramics at room temperature by indentation fracture (IF) method

ISO 20501:2019 - Fine ceramics (advanced ceramics, advanced technical ceramics) -- Weibull statistics for strength data

### **ISO/TC 207 – Environmental management**

ISO 14064-2:2019 - Greenhouse gases -- Part 2: Specification with guidance at the project level for quantification, monitoring and reporting of greenhouse gas emission reductions or removal enhancements

ISO 14008:2019 - Monetary valuation of environmental impacts and related environmental aspects

ISO 14064-3:2019 - Greenhouse gases -- Part 3: Specification with guidance for the verification and validation of greenhouse gas statements

### **ISO/TC 210 -Quality management and corresponding general aspects for medical devices**

ISO 18250-6:2019 - Medical devices -- Connectors for reservoir delivery systems for healthcare applications -- Part 6: Neural applications

### **ISO/TC 213 - Dimensional and geometrical product specifications and verification**

ISO 20170:2019 - Geometrical product specifications (GPS) -- Decomposition of geometrical characteristics for manufacturing control

ISO 25178-607:2019 - Geometrical product specifications (GPS) -- Surface texture: Areal -- Part 607: Nominal characteristics of non-contact (confocal microscopy) instruments

ISO 25178-600:2019 - Geometrical product specifications (GPS) -- Surface texture: Areal -- Part 600: Metrological characteristics for areal topography measuring methods

### **ISO/TC 215 –Health informatics**

ISO/IEEE 11073-10207:2019 - Health informatics -- Personal health device communication -- Part 10207: Domain information and service model for service-oriented point-of-care medical device communication

ISO/IEEE 11073-10419:2019 - Health informatics -- Personal health device communication -- Part 10419: Device specialization -- Insulin pump

ISO/IEEE 11073-10425:2019 - Health informatics -- Personal health device communication -- Part 10425: Device specialization -- Continuous glucose monitor (CGM)

ISO 13120:2019 - Health informatics -- Syntax to represent the content of healthcare classification systems -- Classification Markup Language (ClAML)

### **ISO/TC 216 -Footwear**

ISO 20535:2019 - Footwear -- Test method for insoles and insocks -- Dimensional change after cycle of wetting and drying

### **ISO/TC 224 – Service activities relating to drinking water supply, wastewater and stormwater systems**

ISO 24513:2019 - Service activities relating to drinking water supply, wastewater and stormwater systems -- Vocabulary

ISO 24516-4:2019 - Guidelines for the management of assets of water supply and wastewater systems -- Part 4: Wastewater treatment plants, sludge treatment facilities, pumping stations, retention and detention facilities

### **ISO/TC 249 -Traditional Chinese medicine**

ISO 20498-1:2019 - Traditional Chinese medicine -- Computerized tongue image analysis system -- Part 1: General requirements

ISO 22212:2019 - Traditional Chinese medicine -- Gastrodia elata tuber

ISO 21300:2019 - Traditional Chinese medicine -- Guidelines and specification for Chinese materia medica

### **ISO/TC 256 - Pigments, dyestuffs and extenders**

ISO 787-17:2019 - General methods of test for pigments and extenders -- Part 17: Comparison of lightening power of white pigments

ISO 18451-1:2019 - Pigments, dyestuffs and extenders -- Terminology -- Part 1: General terms

### **ISO/TC 268 -Sustainable cities and communities**

ISO 37104:2019 - Sustainable cities and communities -- Transforming our cities -- Guidance for practical local implementation of ISO 37101

### **ISO/TC 289 - Brand evaluation**

ISO 20671:2019 - Brand evaluation -- Principles and fundamentals

### **ISO/TC 299 -Robotics**

ISO 18646-2:2019 - Robotics -- Performance criteria and related test methods for service robots -  
- Part 2: Navigation

### **ISO/TC 301 -Energy management and energy savings**

ISO 50045:2019 - Technical guidelines for the evaluation of energy savings of thermal power plants