

# ISO Update

## Supplement to ISO *Focus*

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February 2009

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### People and places

ISO Members  **2**

### International Standards in process

*from 15 January to 4 February 2009*

Committee Drafts (**CD**) registered  **3**

Draft International Standards (**DIS**) circulated  **4**

Final draft International Standards (**FDIS**) circulated  **6**

Standards published  **9**

Standards confirmed  **11**

Standards withdrawn  **12**

Meeting calendar  **12**

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# People and places

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## ISO Members

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Since the January 2009 issue of *ISO Focus*, the following changes affecting ISO members have occurred:

### Membership changes

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#### *Correspondent members*

The following standards bodies have been admitted as correspondent members as from 1 January 2009:

#### **GAMBIA (GAMSF)**

Gambia Standards Focal Point  
Division of Trade  
Department of Trade, Industry & Employment  
Independence Drive  
BANJUL

National Coordinator: Mr. Ousman Bojang

Tel +220 422 88 68  
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E-mail gamsfp@gmail.com

#### **LIBERIA (LDS)**

Liberia Division of Standards (LDS)  
Corner of Ashmun and Gurley Streets  
P.O. Box 9041  
MONROVIA

Deputy Minister of Commerce and Industry:  
Dr. Frederick B. Norkeh

Tel +231 6 93 32 29  
E-mail fnorkeh@yahoo.com  
Web www.moci.gov.lr

#### **MAURITANIA (DNPQ)**

Direction de la Normalisation et de la Promotion  
de la Qualité (DNPQ)  
Ministère de l'Industrie et des Mines  
Immeuble du Gouvernement – 1er étage  
BP : 387  
NOUAKCHOTT

Directeur : Monsieur Mohamed Ould Hanine

Tel +222 529 09 27  
Fax +222 525 69 37  
E-mail mhanine@mci.gov.mr

#### **SIERRA LEONE (SLSB)**

Sierra Leone Standards Bureau (SLSB)  
SLPMB Headquarters Building  
Cline Town  
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FREETOWN

Director General: Mr. James S. Dumbuya

Tel +232 22 22 83 74  
Fax +232 22 22 44 39  
E-mail slstandard08@yahoo.co.uk

## New CEOs

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### *Member bodies*

#### **KUWAIT (KOWSMD)**

Assist. Undersecretary Deputy Director General:  
**Mr. Fahad S. Al Mutairi**

## Address changes

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### *Member bodies*

#### **KUWAIT (KOWSMD)**

Public Authority for Industry  
Standards and Industrial Services Affairs (KOWSMD)  
Standards & Metrology Department  
Post Box 4690 Safat  
KW-13047 KUWAIT

Tel. +965 25302990  
Fax +965 25302992  
E-Mail aziz1994@yahoo.com  
Web www.pai.gov.kw

#### **VIET NAM (STAMEQ)**

New acronym : STAMEQ

### *Subscriber members*

#### **BURUNDI (BBN)**

E-mail bbnorme@yahoo.fr

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# 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.

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## CD registered

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Period from 15 January to 04 February 2009

These documents are currently under consideration in the technical committee.

They have been registered at the Central Secretariat.

\*Available in English only

### TC 22 Road vehicles

ISO/CD 11446 Road vehicles – Connectors for the electrical connection of towing and towed vehicles – 13-pole connectors for vehicles with 12 V nominal supply voltage (Revision of ISO 11446:2004)

### TC 43 Acoustics

ISO/CD 26101 Acoustics – Test methods for the qualification of free-field environments

### TC 45 Rubber and rubber products

ISO 5794-1: 2005/CD Amd 1 Rubber compounding ingredients – Silica, precipitated, hydrated – Part 1: Non-rubber tests – Amendment 1

ISO/CD 7743 Rubber, vulcanized or thermoplastic – Determination of compression stress-strain properties (Revision of ISO 7743:2008)

### TC 46 Information and documentation

ISO/CD TR 13028 Information and documentation - Implementation guidelines for digitisation of records

### TC 51 Pallets for unit load method of materials handling

ISO/CD 13194 Box pallets – Principal requirements and test method

### TC 84 Devices for administration of medicinal products and intravascular catheters

ISO/CD 23908-1 Sharps injury protection – Requirements and test methods – Part 1: Sharps protection features for single-used hypodermic needles, catheters, introducers for catheters and lancing devices

### TC 98 Bases for design of structures

ISO/CD 13822 Bases for design of structures – Assessment of existing structures (Revision of ISO 13822:2001)

### TC 106 Dentistry

ISO/CD 21563 Dentistry – Hydrocolloid Impression Materials (Revision of ISO 1563:1990, ISO 13716:1999, ISO 1564:1995)

### TC 110 Industrial trucks

ISO/CD 2328 Fork-lift trucks – Hook-on type fork arms and fork arm carriages – Mounting dimensions (Revision of ISO 2328:2007)

### TC 121 Anaesthetic and respiratory equipment

ISO/CD 80601-2-13 Medical electrical equipment – Part 2-13: Particular requirements for basic safety and essential performance of an anaesthetic workstation

ISO/CD 80601-2-55 Medical electrical equipment – Part 2-55: Particular requirements for the basic safety and essential performance of respiratory gas monitors (Revision of ISO 21647:2004, ISO 21647:2004/Cor 1:2005)

### TC 130 Graphic technology

ISO/CD 16612-2 Graphic technology – Variable data exchange – Part 2: Using PDF/X-4 and PDF/X-5 (PDF/VT-1 and PDF/VT-2)

### TC 172 Optics and photonics

ISO/CD 8255-1 Optics and optical instruments – Microscopes – Cover glasses – Part 1: Dimensional tolerances, thickness and optical properties (Revision of ISO 8255-1:1986)

ISO/CD 9344 Optics and optical instruments – Microscopes – Graticules for eyepieces (Revision of ISO 9344:1996)

### TC 185 Safety devices for protection against excessive pressure

ISO/CD 4126-1 Safety devices for protection against excessive pressure – Part 1: Safety valves (Revision of ISO 4126-1:2004, ISO 4126-1:2004/Cor 1:2007)

ISO/CD 4126-4 Safety devices for protection against excessive pressure – Part 4: Pilot-operated safety valves (Revision of ISO 4126-4:2004, ISO 4126-4:2004/Cor 1:2007)

ISO/CD 4126-5 Safety devices for protection against excessive pressure – Part 5: Controlled safety pressure relief systems (CSPRS) (Revision of ISO 4126-5:2004, ISO 4126-5:2004/Cor 1:2006, ISO 4126-5:2004/Cor 2:2007)

ISO/CD 4126-7 Safety devices for protection against excessive pressure – Part 7: Common data (Revision of ISO 4126-7:2004, ISO 4126-7:2004/Cor 1:2006)

<b>TC 204</b>	<b>Intelligent transport systems</b>
ISO/CD TR 26999	Intelligent Transport Systems - Systems Architecture - Use of 'Process Orientated Methodology' in ITS International Standards and Deliverables
<b>TC 209</b>	<b>Cleanrooms and associated controlled environments</b>
ISO/CD 14644-1	Cleanrooms and associated controlled environments – Part 1: Classification of air cleanliness (Revision of ISO 14644-1:1999)
ISO/CD 14644-2	Cleanrooms and associated controlled environments – Part 2: Specifications for testing and monitoring to prove continued compliance with ISO 14644-1 (Revision of ISO 14644-2:2000)
<b>TC 211</b>	<b>Geographic information/Geomatics</b>
ISO/CD 19103	Geographic information – Conceptual schema language (Revision of ISO/TS 19103:2005)
ISO/CD 19148	* Geographic information – Location based services – Linear referencing system
ISO/CD 19156	Geographic information - Observations and measurements
<b>TC 215</b>	<b>Health informatics</b>
ISO/CD TS 27790	Health informatics – Document registry framework
<b>TC 219</b>	<b>Floor coverings</b>
ISO/CD 10361	Textile floor coverings – Production of changes in appearance by means of Vettermann drum and hexapod tumbler testers (Revision of ISO 10361:2000)
ISO/CD 12951	Textile floor coverings – Determination of mass loss using the Lisson test (Revision of ISO 12951:1999)
<b>JTC 1</b>	<b>Information technology</b>
ISO/IEC CD 9798-1	Information technology – Security techniques – Entity authentication – Part 1: General (Revision of ISO/IEC 9798-1:1997)
ISO/IEC CD 13249-3	Information technology – Database languages – SQL multimedia and application packages – Part 3: Spatial (Revision of ISO/IEC 13249-3:2006)
ISO/IEC 15444-1:2004/ CD Amd 4	Information technology – JPEG 2000 image coding system: Core coding system – Part 1: – Amendment 4: Profiles for broadcast applications
ISO/IEC CD 29158	* Information technology – Automatic identification and data capture techniques – Direct Part Mark (DPM) Quality Guideline

## DIS circulated

Period from 15 January to 04 February 2009

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
<b>TC 2</b>	<b>Fasteners</b>	
ISO/DIS 225	Fasteners – Bolts, screws, studs and nuts – Symbols and designations of dimensions (Revision of ISO 225:1983)	2009-06-16
<b>TC 6</b>	<b>Paper, board and pulps</b>	
ISO/DIS 11476	Paper and board – Determination of CIE-whiteness, C/2 degrees (indoor illumination conditions) (Revision of ISO 11476:2000)	2009-06-27
<b>TC 8</b>	<b>Ships and marine technology</b>	
ISO/DIS 23269-4	* Ships and marine technology – Breathing apparatus for ships – Part 4: Self-contained breathing apparatus for emergency escape required by the IMO IBC and IGC Codes	2009-07-04
<b>TC 21</b>	<b>Equipment for fire protection and fire fighting</b>	
ISO/DIS 7240-24	* Fire detection and fire alarm systems – Part 24: Sound-system loudspeakers	2009-07-01
ISO/DIS 15779	* Condensed-aerosol fire-extinguishing systems – Physical properties and system design – General requirements	2009-07-01
<b>TC 31</b>	<b>Tyres, rims and valves</b>	
ISO/DIS 4000-1	Passenger car tyres and rims – Part 1: Tyres (metric series) (Revision of ISO 4000-1:2007)	2009-07-04
ISO/DIS 16992	Passenger car tyres – Spare unit substitutive equipment (SUSE) (Revision of ISO 16992:2006)	2009-06-24
<b>TC 38</b>	<b>Textiles</b>	
ISO/DIS 105-C08	Textiles – Tests for colour fastness – Part C08: Colour fastness to domestic and commercial laundering using a non-phosphate reference detergent incorporating a low temperature bleach activator (Revision of ISO 105-C08:2001, ISO 105-C08:2001/Cor 1:2002, ISO 105-C08:2001/Amd 1:2006)	2009-06-16
<b>TC 44</b>	<b>Welding and allied processes</b>	
ISO/DIS 9606-1.3	Qualification testing of welders – Fusion welding – Part 1: Steels (Revision of ISO 9606-1:1994, ISO 9606-1:1994/Amd 1:1998)	2009-03-30

<b>TC 45</b>	<b>Rubber and rubber products</b>		<b>TC 92</b>	<b>Fire safety</b>	
ISO/DIS 813	Rubber, vulcanized or thermoplastic – Determination of adhesion to a rigid substrate – 90 degree peel method (Revision of ISO 813:1997)	2009-06-27	ISO/DIS 11925-2	* Reaction to fire tests – Ignitability of building products subjected to direct impingement of flame – Part 2: Single-flame source test (Revision of ISO 11925-2:2002)	2009-06-16
ISO/DIS 10638	* Raw rubber, latex, rubber compounds and rubber products – Identification of antidegradants by gas chromatography/mass spectrometry	2009-06-24	ISO/DIS 19703	Generation and analysis of toxic gases in fire – Calculation of species yields, equivalence ratios and combustion efficiency in experimental fires (Revision of ISO 19703:2005)	2009-07-03
ISO/DIS 11089	* Rubber, raw synthetic – Determination of anti-degradants by high-performance liquid chromatography (Revision of ISO 11089:1997)	2009-07-04	<b>TC 94</b>	<b>Personal safety – Protective clothing and equipment</b>	
ISO/DIS 12493	* Rubber, vulcanized – Determination of stress in tension on heating	2009-06-20	ISO 13982-1: 2004/DAMd 1	Protective clothing for use against solid particulates – Part 1: Performance requirements for chemical protective clothing providing protection to the full body against airborne solid particulates (type 5 clothing) – Amendment 1	2009-06-23
<b>TC 46</b>	<b>Information and documentation</b>		<b>TC 106</b>	<b>Dentistry</b>	
ISO/DIS 28560-1	* Information and documentation – RFID in libraries – Part 1: General requirements and data elements	2009-06-20	ISO/DIS 7885	Dentistry – Sterile injection needles for single use (Revision of ISO 7885:2000)	2009-06-30
ISO/DIS 28560-2	* Information and documentation – RFID in libraries – Part 2: Encoding based on ISO/IEC 15962	2009-06-20	ISO/DIS 9173-2	Dentistry – Extraction forceps – Part 2: Functional designation	2009-06-16
ISO/DIS 28560-3	* Information and documentation – RFID in libraries – Part 3: Fixed length encoding	2009-06-20	ISO/DIS 11953	Dentistry – The performance of hand torque instruments for the clinical tightening of screw-retained joints in endosseous dental implant systems	2009-06-16
<b>TC 59</b>	<b>Building construction</b>		ISO 16409: 2006/DAMd 1	Dentistry – Oral hygiene products – Manual interdental brushes – Amendment 1	2009-06-30
ISO/DIS 15686-10	* Buildings and constructed assets – Service life planning – Part 10: When to assess functional performance	2009-06-24	ISO/DIS 27020	Dentistry – Brackets and tubes for use in orthodontics	2009-06-16
<b>TC 67</b>	<b>Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries</b>		ISO/DIS 28319	* Dentistry – Laser welding	2009-06-30
ISO/DIS 19906	* Petroleum and natural gas industries – Arctic offshore structures	2009-06-30	<b>TC 108</b>	<b>Mechanical vibration, shock and condition monitoring</b>	
ISO/DIS 28460	* Petroleum and natural gas industries – Installation and equipment for liquefied natural gas – Ship-to-shore interface and port operations	2009-06-16	ISO/DIS 7919-2	Mechanical vibration – Evaluation of machine vibration by measurements on rotating shafts – Part 2: Land-based steam turbines and generators in excess of 50 MW with normal operating speeds of 1 500 r/min, 1 800 r/min, 3 000 r/min and 3 600 r/min (Revision of ISO 7919-2:2001)	2009-07-01
<b>TC 69</b>	<b>Applications of statistical methods</b>		ISO/DIS 7919-4	Mechanical vibration – Evaluation of machine vibration by measurements on rotating shafts – Part 4: Gas turbine sets with fluid-film bearings (Revision of ISO 7919-4:1996)	2009-06-20
ISO/DIS 21748	* Guidance for the use of repeatability, reproducibility and trueness estimates in measurement uncertainty estimation (Revision of ISO/TS 21748:2004)	2009-06-20	ISO/DIS 10816-2	Mechanical vibration – Evaluation of machine vibration by measurements on non-rotating parts – Part 2: Land-based steam turbines and generators in excess of 50 MW with normal operating speeds of 1500 r/min, 1800 r/min, 3000 r/min and 3600 r/min (Revision of ISO 10816-2:2001, ISO 10816-2:2001/Cor 1:2004)	2009-06-20
<b>TC 85</b>	<b>Nuclear energy</b>				
ISO/DIS 27048	Radiation protection – Dose assessment for the monitoring of workers for internal radiation exposure	2009-06-27			

ISO/DIS 10816-4 Mechanical vibration – Evaluation of machine vibration by measurements on non-rotating parts – Part 4: Gas turbine sets with fluid-film bearings (Revision of ISO 10816-4:1998) 2009-06-20

**TC 131 Fluid power systems**

ISO/DIS 11171 Hydraulic fluid power – Calibration of automatic particle counters for liquids (Revision of ISO 11171:1999, ISO 11171:1999/Cor 1:2001) 2009-06-17

**TC 145 Graphical symbols**

ISO/DIS 28564-1 Public information guidance systems – Part 1: Design principles and element requirements for location plans, maps and diagrams 2009-06-27

**TC 165 Timber structures**

ISO/DIS 20152-1.2 \* Timber structures – Bond performance of adhesives – Part 1: Basic requirements 2009-03-31

**TC 171 Document management applications**

ISO/DIS 29861 \* Document management applications – Quality control for scanning office documents in colour 2009-06-20

**TC 172 Optics and photonics**

ISO/DIS 15752.2 Ophthalmic instruments – Endoilluminators – Fundamental requirements and test methods for optical radiation safety (Revision of ISO 15752:2000) 2009-03-30

**TC 202 Microbeam analysis**

ISO/DIS 29301 \* Microbeam analysis – Analytical transmission electron microscopy – Methods for calibrating image magnification by using reference materials giving a periodic diffraction pattern 2009-07-01

**TC 204 Intelligent transport systems**

ISO/DIS 17573 \* Electronic fee collection – Systems architecture for vehicle related tolling (Revision of ISO/TS 17573:2003) 2009-06-15

ISO/DIS 22840 \* Intelligent transport systems – Devices to aid reverse manoeuvres – Extended range backing aid systems (ERBA) 2009-06-24

**TC 217 Cosmetics**

ISO/DIS 24444 \* Cosmetics – Sun protection test methods – in vivo determination of SPF (Sun Protection Factor) 2009-06-16

**REMCO Committee on reference materials**

ISO/DGuide 34 General requirements for the competence of reference material producers (Revision of ISO Guide 34:2000, ISO Guide 34:2000/Cor 1:2003) 2009-05-16

# FDIS circulated

Period from 15 January to 04 February 2009  
 These Final draft International Standards have been submitted to the ISO member bodies for formal approval by the date shown  
 \*Available in English only

Vote terminates

**TC 6 Paper, board and pulps**

ISO/FDIS 9416 \* Paper – Determination of light scattering and absorption coefficients (using Kubelka-Munk theory) (Revision of ISO 9416:1998) 2009-03-21

**TC 21 Equipment for fire protection and fire fighting**

ISO 7240-11: 2005/FDAmD 1 \* Fire detection and alarm systems – Part 11: Manual call points – Amendment 1 2009-03-17

**TC 22 Road vehicles**

ISO/FDIS 11452-10 Road vehicles – Component test methods for electrical disturbances from narrowband radiated electromagnetic energy – Part 10: Immunity to conducted disturbances in the extended audio frequency range 2009-03-16

**TC 23 Tractors and machinery for agriculture and forestry**

ISO/FDIS 11783-7 Tractors and machinery for agriculture and forestry – Serial control and communications data network – Part 7: Implement messages application layer (Revision of ISO 11783-7:2002, ISO 11783-7:2002/Cor 1:2004) 2009-03-29

**TC 34 Food products**

ISO/FDIS 5983-2 Animal feeding stuffs – Determination of nitrogen content and calculation of crude protein content – Part 2: Block digestion and steam distillation method (Revision of ISO 5983-2:2005) 2009-03-29

ISO/FDIS 16931 Animal and vegetable fats and oils – Determination of polymerized triglycerides by high-performance size-exclusion chromatography (HPSEC) (Revision of ISO 16931:2001) 2009-03-16

ISO/FDIS 22959 Animal and vegetable fats and oils – Determination of polycyclic aromatic hydrocarbons by on-line donor-acceptor complex chromatography and HPLC with fluorescence detection 2009-03-29

**TC 35 Paints and varnishes**

ISO/FDIS 9117-1 Paints and varnishes – Drying tests – Part 1: Determination of through-dry state and through-dry time (Revision of ISO 9117:1990; ISO/DIS 9117) 2009-03-23

ISO/FDIS 16773-3	Paints and varnishes – Electrochemical impedance spectroscopy (EIS) on high-impedance coated specimens – Part 3: Processing and analysis of data from dummy cells	2009-03-29	<b>TC 67</b>	<b>Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries</b>	
ISO/FDIS 16773-4	Paints and varnishes – Electrochemical impedance spectroscopy (EIS) on high-impedance coated specimens – Part 4: Examples of spectra of polymer-coated specimens	2009-03-29	ISO/FDIS 13678	Petroleum and natural gas industries – Evaluation and testing of thread compounds for use with casing, tubing, line pipe and drill stem elements (Revision of ISO 13678:2000)	2009-03-29
<b>TC 38</b>	<b>Textiles</b>		ISO 15544: 2000/FDAmD 1	Petroleum and natural gas industries – Offshore production installations – Requirements and guidelines for emergency response – Amendment 1	2009-03-21
ISO/FDIS 105-B07	Textiles – Tests for colour fastness – Part B07: Colour fastness to light of textiles wetted with artificial perspiration	2009-03-29	ISO/FDIS 17078-3	* Petroleum and natural gas industries – Drilling and production equipment – Part 3: Running tools, pulling tools and kick-over tools and latches for side-pocket mandrels	2009-03-16
<b>TC 43</b>	<b>Acoustics</b>		<b>TC 76</b>	<b>Transfusion, infusion and injection equipment for medical and pharmaceutical use</b>	
ISO/FDIS 389-9	Acoustics – Reference zero for the calibration of audiometric equipment – Part 9: Preferred test conditions for the determination of reference hearing threshold levels	2009-03-29	ISO/FDIS 8536-3	Infusion equipment for medical use – Part 3: Aluminium caps for infusion bottles (Revision of ISO 8536-3:1999)	2009-03-16
<b>TC 45</b>	<b>Rubber and rubber products</b>		<b>TC 77</b>	<b>Products in fibre reinforced cement</b>	
ISO/FDIS 1436	* Rubber hoses and hose assemblies – Wire-braid-reinforced hydraulic types for oil-based or water-based fluids – Specification (Revision of ISO 1436-1:2001, ISO 1436-2:2005)	2009-03-31	ISO/FDIS 8336	* Fibre-cement flat sheets – Product specification and test methods (Revision of ISO 8336:1993, ISO 8336:1993/Amd 1:2004, ISO 8336:1993/Cor 1:2005)	2009-03-27
ISO/FDIS 3862	* Rubber hoses and hose assemblies – Rubber-covered spiral-wire-reinforced hydraulic types for oil-based or water-based fluids – Specification (Revision of ISO 3862-1:2001, ISO 3862-2:2005)	2009-03-31	ISO/FDIS 9125	* Fibre-cement slates and fittings – Product specification and test methods (Revision of ISO 9125:1990, ISO 9384:1991, ISO 9125:1990/Cor 1:1993, ISO 9125:1990/Amd 1:2004, ISO 9125:1990/Cor 2:2005)	2009-03-23
ISO/FDIS 4079	* Rubber hoses and hose assemblies – Textile-reinforced hydraulic types for oil-based or water-based fluids – Specification (Revision of ISO 4079-1:2001, ISO 4079-2:2005)	2009-03-31	<b>TC 89</b>	<b>Wood-based panels</b>	
<b>TC 46</b>	<b>Information and documentation</b>		ISO/FDIS 27567*	Laminated veneer lumber – Measurement of dimensions and shape – Method of test	2009-04-04
ISO/FDIS 8459	Information and documentation – Classification of bibliographic data elements for use in data interchange (Revision of ISO 8459-1:1988, ISO 8459-2:1992, ISO 8459-3:1994, ISO 8459-4:1998, ISO/WD 8459-5, ISO 8459-5:2002)	2009-03-23	<b>TC 96</b>	<b>Cranes</b>	
<b>TC 61</b>	<b>Plastics</b>		ISO/FDIS 4301-2	Cranes – Classification – Part 2: Mobile cranes (Revision of ISO 4301-2:1985)	2009-03-29
ISO/FDIS 1890	Reinforcement yarns – Determination of twist (Revision of ISO 1890:1997)	2009-03-29	<b>TC 102</b>	<b>Iron ore and direct reduced iron</b>	
ISO/FDIS 25217*	Adhesives – Determination of the mode 1 adhesive fracture energy of structural adhesive joints using double cantilever beam and tapered double cantilever beam specimens	2009-03-24	ISO/FDIS 3082	* Iron ores – Sampling and sample preparation procedures (Revision of ISO 3082:2000)	2009-03-22
			<b>TC 107</b>	<b>Metallic and other inorganic coatings</b>	
			ISO/FDIS 1461	Hot dip galvanized coatings on fabricated iron and steel articles – Specifications and test methods (Revision of ISO 1461:1999)	2009-03-29

<b>TC 108</b>	<b>Mechanical vibration, shock and condition monitoring</b>			<b>TC 188</b>	<b>Small craft</b>		
ISO/FDIS 22266-1	* Mechanical vibration – Torsional vibration of rotating machinery – Part 1: Land-based steam and gas turbine generator sets in excess of 50 MW	2009-03-23		ISO/FDIS 10088	Small craft – Permanently installed fuel systems (Revision of ISO 10088:2001)	2009-03-16	
<b>TC 119</b>	<b>Powder metallurgy</b>			<b>TC 194</b>	<b>Biological evaluation of medical devices</b>		
ISO/FDIS 3327	Hardmetals – Determination of transverse rupture strength (Revision of ISO 3327:1982)	2009-03-16		ISO/FDIS 10993-5	Biological evaluation of medical devices – Part 5: Tests for in vitro cytotoxicity (Revision of ISO 10993-5:1999)	2009-03-16	
ISO/FDIS 18549-1	* Metallic powders – Determination of apparent density and flow rate at elevated temperatures – Part 1: Determination of apparent density at elevated temperatures	2009-03-22		<b>TC 212</b>	<b>Clinical laboratory testing and in vitro diagnostic test systems</b>		
ISO/FDIS 18549-2	* Metallic powders – Determination of apparent density and flow rate at elevated temperatures – Part 2: Determination of flow rate at elevated temperatures	2009-03-22		ISO/FDIS 15193	In vitro diagnostic medical devices – Measurement of quantities in samples of biological origin – Requirements for content and presentation of reference measurement procedures (Revision of ISO 15193:2002)	2009-03-16	
<b>TC 146</b>	<b>Air quality</b>			ISO/FDIS 15194	In vitro diagnostic medical devices – Measurement of quantities in samples of biological origin – Requirements for certified reference materials and the content of supporting documentation (Revision of ISO 15194:2002)	2009-03-16	
ISO/FDIS 15337	Ambient air – Gas phase titration – Calibration of analysers for ozone	2009-03-16		<b>JTC 1</b>	<b>Information technology</b>		
ISO/FDIS 16000-14	Indoor air – Part 14: Determination of total (gas and particle-phase) polychlorinated dioxin-like biphenyls (PCBs) and polychlorinated dibenzo-p-dioxins/dibenzofurans (PCDDs/PCDFs) – Extraction, clean-up and analysis by high-resolution gas chromatography and mass spectrometry	2009-03-21		ISO/IEC FDIS 13888-1	* Information technology – Security techniques – Non-repudiation – Part 1: General (Revision of ISO/IEC 13888-1:2004)	2009-03-16	
<b>TC 147</b>	<b>Water quality</b>			ISO/IEC 14496-10:2008/FDAmD 1	* Information technology – Coding of audio-visual objects – Part 10: Advanced Video Coding – Amendment 1: Multiview Video Coding	2009-03-22	
ISO/FDIS 5667-11	* Water quality – Sampling – Part 11: Guidance on sampling of groundwaters (Revision of ISO 5667-11:1993, ISO 5667-18:2001)	2009-03-29		ISO/IEC 14496-5:2001/FDAmD 21	* Information technology – Coding of audio-visual objects – Part 5: Reference software – Amendment 21: Frame-based Animated Mesh Compression reference software	2009-04-03	
<b>TC 150</b>	<b>Implants for surgery</b>			ISO/IEC FDIS 23000-10	* Information technology – Multimedia application format (MPEG-A) – Part 10: Video surveillance application format	2009-04-03	
ISO/FDIS 11663	* Quality of dialysis fluid for haemodialysis and related therapies	2009-03-27		ISO/IEC 23000-4:2009/FDAmD 1	* Information technology – Multimedia application format (MPEG-A) – Part 4: Musical slide show application format – Amendment 1: Conformance and reference software for musical slide show application format	2009-03-27	
ISO/FDIS 13958	* Concentrates for haemodialysis and related therapies (Revision of ISO 13958:2002)	2009-03-27		ISO/IEC FDIS 23000-6	* Information technology – Multimedia application format (MPEG-A) – Part 6: Professional archival application format	2009-03-27	
ISO/FDIS 13959	* Water for haemodialysis and related therapies (Revision of ISO 13959:2002)	2009-03-27		ISO/IEC FDIS 27000	* Information technology – Security techniques – Information security management systems – Overview and vocabulary	2009-03-27	
ISO/FDIS 26722	* Water treatment equipment for haemodialysis applications and related therapies	2009-03-27					
<b>TC 173</b>	<b>Assistive products for persons with disability</b>						
ISO/FDIS 24415-1	Tips for assistive products for walking – Requirements and test methods – Part 1: Friction of tips	2009-03-16					
<b>TC 182</b>	<b>Geotechnics</b>						
ISO/FDIS 22476-12	* Geotechnical investigation and testing – Field testing – Part 12: Mechanical cone penetration test (CPTM)	2009-03-16					

# Standards published

New International Standards published between 15 January and 04 February 2009

\*Available in English only

\*\* French version of standard previously published in English only

		Price group		
<b>TC 2</b>	<b>Fasteners</b>			
ISO 1891:2009	Fasteners – Terminology	XB		
<b>TC 4</b>	<b>Rolling bearings</b>			
ISO 13012-1:2009	Rolling bearings – Accessories for sleeve type linear ball bearings – Part 1: Boundary dimensions and tolerances for series 1 and 3	K		
ISO 13012-2:2009	Rolling bearings – Accessories for sleeve type linear ball bearings – Part 2: Boundary dimensions and tolerances for series 5	F		
<b>TC 10</b>	<b>Technical product documentation</b>			
ISO 27668-1:2009	* Gel ink ball pens and refills – Part 1: General use	F		
ISO 27668-2:2009	* Gel ink ball pens and refills – Part 2: Documentary use (DOC)	B		
<b>TC 20</b>	<b>Aircraft and space vehicles</b>			
ISO 15862:2009*	Space systems – Launch-vehicle-to-spacecraft flight environments telemetry data processing	E		
ISO/TS 16457:2009	* Space systems – Space environment (natural and artificial) – The Earth's ionosphere model: international reference ionosphere (IRI) model and extensions to the plasmasphere	D		
ISO 26868:2009*	Space data and information transfer systems – Image data compression	U		
ISO 27996:2009*	Aerospace fluid systems – Elastomer seals – Storage and shelf life	D		
<b>TC 22</b>	<b>Road vehicles</b>			
ISO 4040:2009	* Road vehicles – Location of hand controls, indicators and tell-tales in motor vehicles	E		
ISO 4141-4:2009	* Road vehicles – Multi-core connecting cables – Part 4: Test methods and requirements for coiled cable assemblies	E		
ISO 6550-3:2009	* Road vehicles – Sheath-type glow-plugs with conical seating and their cylinder head housing – Part 3: M10 glow-plugs	E		
ISO 7299-2:2009	* Diesel engines – End-mounting flanges for pumps – Part 2: High-pressure supply pumps for common rail fuel injection systems	E		
ISO 10605:2008**	Road vehicles – Test methods for electrical disturbances from electrostatic discharge	T		
ISO 22900-2:2009	* Road vehicles – Modular vehicle communication interface (MVCI) – Part 2: Diagnostic protocol data unit application programming interface (D-PDU API)	XH		
<b>TC 23</b>	<b>Tractors and machinery for agriculture and forestry</b>			
ISO 730:2009	Agricultural wheeled tractors – Rear-mounted three-point linkage – Categories 1N, 1, 2N, 2, 3N, 3, 4N and 4		H	
ISO 2332:2009	Agricultural tractors and machinery – Connection of implements via three-point linkage – Clearance zone around implement		C	
ISO 11001-3:2009	Agricultural wheeled tractors and implements – Three-point hitch couplers – Part 3: Link coupler		B	
<b>TC 27</b>	<b>Solid mineral fuels</b>			
ISO 10329:2009*	Coal – Determination of plastic properties – Constant-torque Gieseler plastometer method		F	
<b>TC 34</b>	<b>Food products</b>			
ISO/TS 19036:2006/Amd 1:2009	Microbiology of food and animal feeding stuffs – Guidelines for the estimation of measurement uncertainty for quantitative determinations – Amendment 1: Measurement uncertainty for low counts		XZ	
<b>TC 42</b>	<b>Photography</b>			
ISO 14524:2009*	Photography – Electronic still-picture cameras – Methods for measuring opto-electronic conversion functions (OECFs)		L	
<b>TC 44</b>	<b>Welding and allied processes</b>			
ISO 5821:2009	Resistance welding – Spot welding electrode caps		E	
<b>TC 45</b>	<b>Rubber and rubber products</b>			
ISO 48:2007/Cor 1:2009	Rubber, vulcanized or thermoplastic – Determination of hardness (hardness between 10 IRHD and 100 IRHD) – Technical Corrigendum 1		free	
ISO 289-1:2005/Cor 1:2009	Rubber, unvulcanized – Determinations using a shearing-disc viscometer – Part 1: Determination of Mooney viscosity – Technical Corrigendum 1		free	
ISO 4642-1:2009	* Rubber and plastics hoses, non-collapsible, for fire-fighting service – Part 1: Semi-rigid hoses for fixed systems		J	
ISO 4642-2:2009	* Rubber and plastics hoses, non-collapsible, for fire-fighting service – Part 2: Semi-rigid hoses (and hose assemblies) for pumps and vehicles		N	
<b>TC 58</b>	<b>Gas cylinders</b>			
ISO 13769:2007**	Gas cylinders – Stamp marking		G	
<b>TC 61</b>	<b>Plastics</b>			
ISO 1628-1:2009	Plastics – Determination of the viscosity of polymers in dilute solution using capillary viscometers – Part 1: General principles		H	
<b>TC 67</b>	<b>Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries</b>			

ISO 13679:2002**	Petroleum and natural gas industries – Procedures for testing casing and tubing connections	XB	<b>TC 112</b>	<b>Vacuum technology</b>	
<b>TC 76</b>	<b>Transfusion, infusion and injection equipment for medical and pharmaceutical use</b>		ISO/TS 27893:2009	* Vacuum technology – Vacuum gauges – Evaluation of the uncertainties of results of calibrations by direct comparison with a reference gauge	H
ISO 10985:2009*	Caps made of aluminium-plastics combinations for infusion bottles and injection vials – Requirements and test methods	B	<b>TC 114</b>	<b>Horology</b>	
<b>TC 79</b>	<b>Light metals and their alloys</b>		ISO 1112:2009	Horology – Functional and non-functional jewels	B
ISO 25902-1:2009	* Titanium pipes and tubes – Non-destructive testing – Part 1: Eddy-current examination	D	<b>TC 121</b>	<b>Anaesthetic and respiratory equipment</b>	
<b>TC 85</b>	<b>Nuclear energy</b>		IEC 80601-2-30:2009	Medical electrical equipment – Part 2-30: Particular requirements for basic safety and essential performance of automated non-invasive sphygmomanometers	X
ISO 21439:2009*	Clinical dosimetry – Beta radiation sources for brachytherapy	X	<b>TC 138</b>	<b>Plastics pipes, fittings and valves for the transport of fluids</b>	
<b>TC 92</b>	<b>Fire safety</b>		ISO 11414:2009	Plastics pipes and fittings – Preparation of polyethylene (PE) pipe/pipe or pipe/fitting test piece assemblies by butt fusion	D
ISO 834-9:2003/Cor 1:2009	* Fire-resistance tests – Elements of building construction – Part 9: Specific requirements for non-loadbearing ceiling elements – Technical Corrigendum 1	free	ISO 21307:2009*	Plastics pipes and fittings – Butt fusion jointing procedures for polyethylene (PE) pipes and fittings used in the construction of gas and water distribution systems	G
ISO 10295-2:2009	* Fire tests for building elements and components – Fire testing of service installations – Part 2: Linear joint (gap) seals	M	<b>TC 147</b>	<b>Water quality</b>	
<b>TC 104</b>	<b>Freight containers</b>		ISO 21427-2:2006**	Water quality – Evaluation of genotoxicity by measurement of the induction of micronuclei – Part 2: Mixed population method using the cell line V79	K
ISO/TS 10891:2009	* Freight containers – Radio frequency identification (RFID) – Licence plate tag	H	<b>TC 158</b>	<b>Analysis of gases</b>	
<b>TC 106</b>	<b>Dentistry</b>		ISO/TS 29041:2008/Cor 1:2009	* Gas mixtures – Gravimetric preparation – Mastering correlations in composition – Technical Corrigendum 1	free
ISO 11143:2008**	Dentistry – Amalgam separators	M	<b>TC 159</b>	<b>Ergonomics</b>	
ISO 22794:2007**	Dentistry – Implantable materials for bone filling and augmentation in oral and maxillofacial surgery – Contents of a technical file	E	ISO 9241-307:2008**	Ergonomics of human-system interaction – Part 307: Analysis and compliance test methods for electronic visual displays	XE
<b>TC 107</b>	<b>Metallic and other inorganic coatings</b>		<b>TC 161</b>	<b>Control and protective devices for gas and oil burners and gas and oil burning appliances</b>	
ISO 15726:2009	Metallic and other inorganic coatings – Electrodeposited zinc alloys with nickel, cobalt or iron	G	ISO 23553-1:2007/Cor 1:2009	* Safety and control devices for oil burners and oil-burning appliances – Particular requirements – Part 1: Shut-off devices for oil burners – Technical Corrigendum 1	free
<b>TC 108</b>	<b>Mechanical vibration, shock and condition monitoring</b>		<b>TC 165</b>	<b>Timber structures</b>	
ISO 7919-3:2009	* Mechanical vibration – Evaluation of machine vibration by measurements on rotating shafts – Part 3: Coupled industrial machines	D	ISO 8375:2009	Timber structures – Glued laminated timber – Test methods for determination of physical and mechanical properties	N
ISO 10816-3:2009	Mechanical vibration – Evaluation of machine vibration by measurements on non-rotating parts – Part 3: Industrial machines with nominal power above 15 kW and nominal speeds between 120 r/min and 15 000 r/min when measured in situ	F	<b>TC 197</b>	<b>Hydrogen technologies</b>	
ISO 10816-7:2009	* Mechanical vibration – Evaluation of machine vibration by measurements on non-rotating parts – Part 7: Rotodynamic pumps for industrial applications, including measurements on rotating shafts	J	ISO/TS 15869:2009	* Gaseous hydrogen and hydrogen blends – Land vehicle fuel tanks	S
			<b>TC 206</b>	<b>Fine ceramics</b>	
			ISO 26602:2009*	Fine ceramics (advanced ceramics, advanced technical ceramics) – Silicon nitride materials for rolling bearing balls	D

<b>TC 211</b>	<b>Geographic information/Geomatics</b>	
ISO 19115-2:2009	* Geographic information – Metadata – Part 2: Extensions for imagery and gridded data	S
<b>TC 213</b>	<b>Dimensional and geometrical product specifications and verification</b>	
ISO 463:2006/Cor 2:2009	Geometrical Product Specifications (GPS) – Dimensional measuring equipment – Design and metrological characteristics of mechanical dial gauges – Technical Corrigendum 2	free
<b>TC 219</b>	<b>Floor coverings</b>	
ISO 11379:2009	* Textile floor coverings – Laboratory cleaning procedure using spray extraction	B
<b>JTC 1</b>	<b>Information technology</b>	
ISO/IEC 14165-116:2005/Amd 1:2009	* Information technology – Fibre Channel – Part 116: 10 Gigabit (10GFC) – Amendment 1	A
ISO/IEC 14165-521:2009	* Information technology – Fibre Channel – Part 521: Fabric application interface standard (FAIS)	X
ISO/IEC TR 14496-9:2009	* Information technology – Coding of audio-visual objects – Part 9: Reference hardware description	XK
ISO/IEC 14762:2009	* Information technology – Functional safety requirements for Home and Building Electronic Systems (HBES)	M
ISO/IEC 15418:2009	* Information technology – Automatic identification and data capture techniques – GS1 Application Identifiers and ASC MH10 Data Identifiers and maintenance	C
ISO/IEC 18031:2005/Cor 1:2009	* Information technology – Security techniques – Random bit generation – Technical Corrigendum 1	free
ISO/IEC 19796-3:2009	* Information technology – Learning, education and training – Quality management, assurance and metrics – Part 3: Reference methods and metrics	R
ISO/IEC 24767-2:2009	* Information technology – Home network security – Part 2: Internal security services: Secure Communication Protocol for Middleware (SCPM)	R
ISO/IEC 29121:2009	* Information technology – Digitally recorded media for information interchange and storage – Data migration method for DVD-R, DVD-RW, DVD-RAM, +R, and +RW disks	H

## Standards confirmed

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

<b>TC 18</b>	<b>Zinc and zinc alloys</b>
ISO 3815-1:2005	
ISO 3815-2:2005	
<b>TC 23</b>	<b>Tractors and machinery for agriculture and forestry</b>
ISO 8224-1:2003	
<b>TC 43</b>	<b>Acoustics</b>
ISO 140-11:2005	
<b>TC 100</b>	<b>Chains and chain sprockets for power transmission and conveyors</b>
ISO 487:1998	(reconfirmed)
<b>TC 106</b>	<b>Dentistry</b>
ISO/TS 22911:2005	
<b>TC 108</b>	<b>Mechanical vibration, shock and condition monitoring</b>
ISO 10068:1998	(reconfirmed)
ISO 13090-1:1998	(reconfirmed)
ISO 13091-2:2003	
ISO 13753:1998	(reconfirmed)
ISO 14835-2:2005	
<b>TC 113</b>	<b>Hydrometry</b>
ISO 14686:2003	
<b>TC 114</b>	<b>Horology</b>
ISO 14368-3:2003	
<b>TC 121</b>	<b>Anaesthetic and respiratory equipment</b>
ISO 19054:2005	
<b>TC 126</b>	<b>Tobacco and tobacco products</b>
ISO 18144:2003	
ISO 18145:2003	
<b>TC 135</b>	<b>Non-destructive testing</b>
ISO 12706:2000	
<b>TC 162</b>	<b>Doors and windows</b>
ISO/TR 10476:1990	
<b>TC 171</b>	<b>Document management applications</b>
ISO 3272-1:2003	
ISO 4087:2005	
ISO 6199:2005	
ISO 10196:2003	

ISO 11142:2005

**TC 172 Optics and photonics**

ISO 7998:2005

**TC 184 Automation systems and integration**

ISO/TS  
10303-1287:2005

ISO/TS  
10303-1306:2005

ISO/TS  
10303-439:2005

ISO 10303-56:  
2005

ISO 15531-42:  
2005

**TC 204 Intelligent transport systems**

ISO 14815:2005

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## Standards withdrawn

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Period from 15 January to 04 February 2009

**TC 4 Rolling bearings**

ISO 13012:1998 (replaced by ISO 13012-1:2009 & ISO 13012-2:2009)

**TC 22 Road vehicles**

ISO 7299:1996 (replaced by ISO 7299-2:2009)

**TC 23 Tractors and machinery for agriculture and forestry**

ISO 730-1:1994 (replaced by ISO 730:2009)

ISO 730-2:1979 (replaced by ISO 730:2009)

**TC 29 Small tools**

ISO 6105-1:2004

ISO 6105-2:2004

**TC 34 Food products**

ISO 8151:1987

**TC 42 Photography**

ISO 7943-1:1987

ISO 7943-2:1987

ISO 7943-3:1987

ISO 11106-2:1997

**TC 45 Rubber and rubber products**

ISO 4642:1978 (replaced by ISO 4642-1:2009 & ISO 4642-2:2009)

**TC 104 Freight containers**

ISO 10374:1991 (replaced by ISO/TS 10891:2009)

**JTC 1 Information technology**

ISO/IEC 9983:  
1995

ISO/IEC TR (replaced by ISO/IEC 14762:2009)  
14762:2001

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## Meeting calendar

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(update at 04 February 2009)

Meetings called for the month of February are not repeated.

\* Information definite but meeting not yet formally convened

\*\* Provisional

**March 2009**

3-4	Santa María de Lamas (Portugal)	*	TC 87	Cork
9-12	Rio de Janeiro (Brazil)	*	TC 242	Project Committee: Energy Management
10-11	Edinburgh (United Kingdom)		TC 23/SC 7	Tractors and machinery for agriculture and forestry/Equipment for harvesting and conservation
10-20	Chennai (India)	*	TC 120 and SC	Leather
12-13	Geneva (Switzerland)	*	COUNCIL	Council
17-18	Paris (France)	*	TC 246	Project committee: Anti-counterfeiting tools
18-20	Tokyo (Japan)	*	TC 232	Learning services for non-formal education and training
19-20	Bern (Switzerland)		TC 24/SC 4	Particle characterization including sieving/Particle characterization
20	La Plaine St-Denis (France)	*	TC 110/SC 4	Industrial trucks/Rough-terrain trucks
23 & 26	Milan (Italy)		TC 131/SC 9	Fluid power systems/Installations and systems
24-26	Tours (France)	*	TC 41	Pulleys and belts (including veebelts)
24-26	Paris (France)	*	TC 41/SC 1	Pulleys and belts (including veebelts)/Friction
27	Prague (Czech Republic)	*	JTC 1/SC 34	Information technology/Document description and processing languages
30 & 3	London (United Kingdom)		TC 108/SC 2	Mechanical vibration, shock and condition monitoring/Measurement and evaluation of mechanical vibration and shock as applied to machines, vehicles and structures

15		** TC 76	Transfusion, infusion and injection equipment for medical and pharmaceutical use	27-29 Bratislava (Slovakia)	TC 44/SC 11	Welding and allied processes/Qualification requirements for welding and allied processes personnel
	Oslo (Norway)	** TC 230	Project Committee: Psychological assessment	28-29 Paris (France)	* TC 17/SC 3	Steel/Steels for structural purposes
<b>April 2009</b>						
6-9	Vienna (Austria)	* TC 85/SC 2	Nuclear energy/Radiation protection	26-1 Lisbon (Portugal)	** TC 92/SC 2	Fire safety/Fire containment
8	Chiba-City (Japan)	TC 21/SC 2	Equipment for fire protection and fire fighting/Manually transportable fire extinguishers	<b>April-May 2009</b>		
8	Tokyo (Japan)	TC 161	Control and protective devices for gas and oil burners and gas and oil burning appliances	<b>May 2009</b>		
18	Tokyo (Japan)	TC 59/SC 3	Building construction/ Functional/user requirements and performance in building construction	4-5 London (United Kingdom)	* TC 239	Project Committee: Network services billing
18-24	Lund (Sweden)	** TC 92/SC 4	Fire safety/Fire safety engineering	4-5 Kuala Lumpur (Malaysia)	TC 240	Project Committee: Product recall
20-22	Lund (Sweden)	* TC 92/SC 3	Fire safety/Fire threat to people and environment	4-6 Valencia (Spain)	TC 34/SC 9	Food products/ Microbiology
20-24	Jinan (China)	* TC 194 and SC	Biological evaluation of medical devices	4-8 Paris (France)	** TC 84	Devices for administration of medicinal products and intravascular catheters
22-23	Sydney (Australia)	* TC 67/SC 2	Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries/ Pipeline transportation systems	4-8 Berlin (Germany)	** TC 94/SC 14	Personal safety – Protective clothing and equipment/Fire-fighters' personal equipment
22-23	Madrid (Spain)	TC 117	Fans	4-8 Zurich (Switzerland)	TC 163	Thermal performance and energy use in the built environment
22-24	Valencia (Spain)	** TC 172/SC 6	Optics and photonics/ Geodetic and surveying instruments	5 Zurich (Switzerland)	* TC 163/SC 1	Thermal performance and energy use in the built environment/Test and measurement methods
23	Frankfurt (Germany)	* TC 23/SC 19	Tractors and machinery for agriculture and forestry/Agricultural electronics	6 Berlin (Germany)	** TC 10/SC 10	Technical product documentation/Process plant documentation and tpd-symbols
23-24		** TC 184/SC 5	Automation systems and integration/Architecture, communications and integration frameworks	7 Zurich (Switzerland)	TC 163/SC 2	Thermal performance and energy use in the built environment/Calculation methods
26-30	Edinburgh (United Kingdom)	* TC 215	Health informatics	11 London (United Kingdom)	* TC 145/SC 1	Graphical symbols/Public information symbols
27	Maui, Hawaii (USA)	* JTC 1/SC 29	Information technology/ Coding of audio, picture, multimedia and hypermedia information	11-12 Beijing (China)	** TC 195/SC 1	Building construction machinery and equipment/Machinery and equipment for concrete work
27-28	Ouro Preto (Brazil)	* TC 67/SC 5	Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries/ Casing, tubing and drill pipe	11-15 China	* TC 23/SC 17	Tractors and machinery for agriculture and forestry/Manually portable forest machinery
				11-15 Nairobi (Kenya)	* TC 46	Information and documentation
				11-15 Nairobi (Kenya)	* TC 46/SC 9	Information and documentation/ Identification and description
				11-15 Nairobi (Kenya)	* TC 46/SC 11	Information and documentation/Archives/ records management

11-15	New Orleans (USA)	TC 210	Quality management and corresponding general aspects for medical devices	26-29	Berlin (Germany) *	TC 172/SC 7	Optics and photonics/Ophthalmic optics and instruments
12	Sendai (Japan) *	TC 60 and SC	Gears	28-29	Molde (Norway) *	TC 211	Geographic information/Geomatics
12	Sendai (Japan) *	TC 60/SC 1	Gears/Nomenclature and wormgearing		Beijing (China) **	TC 35 and SC	Paints and varnishes
12	Sendai (Japan) *	TC 60/SC 2	Gears/Gear capacity calculation		Berlin (Germany) **	TC 37/SC 4	Terminology and other language and content resources/Language resource management
12	London (United Kingdom) *	TC 145/SC 3	Graphical symbols/Graphical symbols for use on equipment		London (United Kingdom) **	TC 96	Cranes
12-13	Tokyo (Japan)	TC 79/SC 5	Light metals and their alloys/Magnesium and alloys of cast or wrought magnesium		Salvador (Brazil) **	TC 135/SC 9	Non-destructive testing/Acoustic emission testing
<b>May-June 2009</b>							
					Ghent (Belgium) **	TC 212	Clinical laboratory testing and in vitro diagnostic test systems
<b>June 2009</b>							
1-5	Tokyo (Japan) *	JTC 1/SC 6	Information technology/Telecommunications and information exchange between systems				
1-5	Ottawa (Canada) *	TC 59/SC 14	Building construction/Design life				
1-5	Tokyo (Japan) *	TC 236	Project Committee: Project Management				
4-12	Hakone (Japan) *	TC 10 and SC	Technical product documentation				
8-12	Boras (Sweden) *	TC 92/SC 1	Fire safety/Fire initiation and growth				
8-12	Örëbro (Sweden) **	TC 121	Anaesthetic and respiratory equipment				
8-12	Seattle (USA) *	TC 229	Nanotechnologies				
9-10	Paris (France) *	TC 85/SC 6	Nuclear energy/Reactor technology				
10	Manchester (United Kingdom) *	TC 85/SC 5	Nuclear energy/Nuclear fuel technology				
15-19	Charlottenlund (Denmark) *	TC 108/SC 5	Mechanical vibration, shock and condition monitoring/Condition monitoring and diagnostics of machines				
15-19	Belarus	TC 218	Timber				
17-19	Tokyo (Japan) *	TC 123	Plain bearings				
17-19	Tokyo (Japan) *	TC 123/SC 2	Plain bearings/Materials and lubricants, their properties, characteristics, test methods and testing conditions				
17-19	Tokyo (Japan) *	TC 123/SC 3	Plain bearings/Dimensions, tolerances and construction details				
17-19	Tokyo (Japan) *	TC 123/SC 5	Plain bearings/Quality analysis and assurance				

17-19 Tokyo (Japan)	*	TC 123/SC 6	Plain bearings/Terms and common items	16-21 Anchorage (USA)	**	TC 193	Natural gas
20-26 Kuala Lumpur (Malaysia)	**	TC 69 and SC	Applications of statistical methods	22-26 Saskatoon (Canada)	*	JTC 1/SC 35	Information technology/ User interfaces
21-27 Cairo (Egypt)	**	TC 207	Environmental management	24-25 Sydney (Australia)	*	TC 189	Ceramic tile
22-24 Paris (France)	*	TC 44/SC 3	Welding and allied processes/Welding consumables	Bogota (Colombia)	**	TC 37/SC 4	Terminology and other language and content resources/Language resource management
22-25 USA	*	TC 217	Cosmetics	<b>September 2009</b>			
24-29 Paris (France)	**	TC 29	Small tools	1-4 Las Vegas (USA)	*	TC 108/SC 4	Mechanical vibration, shock and condition monitoring/Human exposure to mechanical vibration and shock
26 Paris (France)	**	TC 29/SC 9	Small tools/Tools with cutting edges made of hard cutting materials	1-4 Venice (Italy)	*	TC 160	Glass in building
Korea, Republic of	**	JTC 1/SC 32	Information technology/ Data management and interchange	2-3	**	TC 109	Oil and gas burners
Denver (USA)	**	TC 67/SC 3	Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries/ Drilling and completion fluids, and well cements	7	**	JTC 1/SC 35	Information technology/ User interfaces
<b>June-July 2009</b>				7-11 Seoul (Korea, Republic of)	*	TC 21 and SC	Equipment for fire protection and fire fighting
29-3 Okinawa (Japan)	**	TC 4	Rolling bearings	7-11 Beijing (China)	*	TC 79/SC 2	Light metals and their alloys/Anodized aluminium
29-3 Okinawa (Japan)	**	TC 4/SC 8	Rolling bearings/Load ratings and life	7-11 Beijing (China)	*	TC 79/SC 4	Light metals and their alloys/Unalloyed (refined) aluminium ingots
<b>July 2009</b>				7-11 Beijing (China)	*	TC 79/SC 6	Light metals and their alloys/Wrought aluminium and aluminium alloys
1 Okinawa (Japan)	*	TC 4/SC 7	Rolling bearings/Spherical plain bearings	7-11 Kyoto (Japan)	*	TC 150 and SC	Implants for surgery
2-3 Berlin (Germany)		TC 22/SC 3	Road vehicles/Electrical and electronic equipment	7-11 Kyoto (Japan)	*	TC 150/SC 1	Implants for surgery/ Materials
3-7 Oxford (United Kingdom)	**	REMCO	Committee on reference materials	9-10 London (United Kingdom)	*	TC 68/SC 2	Financial services/ Security management and general banking operations
19-22 Singapore (Singapore)	*	TC 44/SC 6	Welding and allied processes/Resistance welding and allied mechanical joining	14-15 Geneva (Switzerland)	*	TMB	Technical Management Board
20 Singapore (Singapore)	*	TC 44/SC 9	Welding and allied processes/Health and safety	14-18 Beijing (China)	*	TC 153/SC 1	Valves/Design, manufacture, marking and testing
20-21 Singapore (Singapore)	*	TC 44/SC 3	Welding and allied processes/Welding consumables	14-19 Vienna (Austria)	*	TC 147 and SC	Water quality
20-21 Singapore (Singapore)	*	TC 44/SC 10	Welding and allied processes/Unification of requirements in the field of metal welding	16-18 Cape Town (South Africa)	*	GA	General Assembly
23-24 Singapore (Singapore)	*	TC 44	Welding and allied processes	19 Cape Town (South Africa)	*	COUNCIL	Council
Russian Federation	**	JTC 1/SC 37	Information technology/ Biometrics	20-25 Tsukuba (Japan)	**	TC 164	Mechanical testing of metals
<b>August 2009</b>				21-22 Beijing (China)	*	TC 5	Ferrous metal pipes and metallic fittings
9-14 Vancouver (Canada)	**	TC 27	Solid mineral fuels	21-22 Beijing (China)	*	TC 5/SC 10	Ferrous metal pipes and metallic fittings/Metallic flanges and their joints

21-22 Victoria (Canada)	** TC 67	Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries	Seoul (Korea, Republic of)	** TC 21/SC 6	Equipment for fire protection and fire fighting/Foam and powder media and fixed firefighting systems using foam and powder	
21-22 Hangzhou (China)	* TC 112	Vacuum technology				
21-22 Tsukuba (Japan)	** TC 164/SC 3	Mechanical testing of metals/Hardness testing	Seoul (Korea, Republic of)	** TC 21/SC 8	Equipment for fire protection and fire fighting/Gaseous media and firefighting systems using gas	
21-23 Beijing (China)	* TC 38 and SC	Textiles				
21-25 Beijing (China)	* TC 130	Graphic technology				
22 Singapore (Singapore)	* TC 44/SC 7	Welding and allied processes/Representation and terms	Seoul (Korea, Republic of)	** TC 21/SC 11	Equipment for fire protection and fire fighting/Smoke and heat control systems and components	
22-25 Tsukuba (Japan)	** TC 164/SC 5	Mechanical testing of metals/Fatigue testing	Sydney (Australia)	** TC 34/SC 2	Food products/Oleaginous seeds and fruits and oilseed meals	
23-24 Tsukuba (Japan)	** TC 164/SC 2	Mechanical testing of metals/Ductility testing				
23-24 Tsukuba (Japan)	** TC 164/SC 4	Mechanical testing of metals/Toughness testing - Fracture (F), Pendulum(P), Tear (T)	Tsukuba (Japan)	** TC 164/SC 4	Mechanical testing of metals/Toughness testing - Fracture (F), Pendulum(P), Tear (T)	
24 Beijing (China)	* TC 38 and SC	Textiles	Vancouver (Canada)	** TC 213	Dimensional and geometrical product specifications and verification	
24 Tsukuba (Japan)	** TC 164/SC 1	Mechanical testing of metals/Uniaxial testing				
24-25 China	** TC 199	Safety of machinery	Sweden	** TC 226	Materials for the production of primary aluminium	
25-26 Sydney (Australia)	* TC 34/SC 11	Food products/Animal and vegetable fats and oils				
<b>September-October 2009</b>						
			20-7	** TC 146/SC 1	Air quality/Stationary source emissions	
			28-2	** TC 59/SC 17	Building construction/Sustainability in building construction	
<b>October 2009</b>						
30	Turku (Finland)	* TC 138/SC 2	1	Turku (Finland)	* TC 138/SC 3	Plastics pipes, fittings and valves for the transport of fluids/Plastics pipes and fittings for industrial applications
30	Turku (Finland)	* TC 138/SC 4	1	Turku (Finland)	* TC 138/SC 5	Plastics pipes, fittings and valves for the transport of fluids/General properties of pipes, fittings and valves of plastic materials and their accessories – Test methods and basic specifications
15	USA	** TC 118/SC 6	1	Turku (Finland)	* TC 138/SC 6	Plastics pipes, fittings and valves for the transport of fluids/Reinforced plastics pipes and fittings for all applications
15	Beijing (China)	** TC 5/SC 5	1	Turku (Finland)	* TC 138/SC 7	Plastics pipes, fittings and valves for the transport of fluids/Valves and auxiliary equipment of plastics materials
	Seoul (Korea, Republic of)	** TC 21/SC 3				Equipment for fire protection and fire fighting/Fire detection and alarm systems

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