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PUBLICATIONS

List 01/10

All the SANS publications as listed in the Standards South Africa Catalogue and in this Official Information are priced in accordance with the group system.*

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* **REDESIGNATION AND RENUMBERING OF SOUTH AFRICAN NATIONAL STANDARDS**

As from 8 November 2002, all South African standards that were previously published by the South African Bureau of Standards with the prefix "SABS" have been redesignated as South African National Standards and will henceforth be published by Standards South Africa (a division of SABS) with the prefix "SANS" (see Government Notice No. 1373 of Government Gazette 24002).

Note that all standards in existence before 8 November 2002 may be referred to indefinitely, in any context, by either their "SABS" number or by their "SANS" number, both of which will be equally valid.



Dear Standards Stakeholder

Access to Draft South African Standards

Please note that from 01 February 2010 Draft South African Standards (i.e. Drafts for Comment at the public enquiry stage) will be available free of charge (electronic versions only) from the SABS, subject to a formal request, i.e. the completion of an online requisition form.

The person, company or organisation requiring a Draft South African Standard (DSS) has to complete an online requisition form stating the DSS required, name and surname, e-mail address, telephone number, name of company or organisation (if applicable), postal address, **reason why DSS is required**, whether the person, company or organisation is a client of SABS Commercial, and nature of industry. All of the above fields are mandatory.

Requests for draft standards in hardcopy format must follow the same requisition process. The cost of draft standards in hardcopy format will be R250 (a flat cost recovery rate) plus VAT and postage. The price will be subject to the annual price adjustment.

To access the requisition form, click here: <https://www.sabs.co.za/index.php?page=standardsdraft>

Should you require further information, please contact:

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Kind regards

Terrence Moodley
Senior Manager: Standards Sales and Promotions

27 January 2010

TECHNICAL COMMUNIQUE

STANDARD (SANS 517) FOR LIGHT STEEL FRAME BUILDING PUBLISHED

Light steel frame building is a well known building method in Australia, the US and Europe, and has been in use for more than 50 years. This building method – an alternative to traditional masonry building – can be used for a wide range of low and medium rise residential and office buildings. It has only recently been introduced in Southern Africa .

Because light steel frame building is not yet included in the National Building Regulations as a conventional building method, plans have to be submitted for approval together with a rational design by a competent person, normally an engineer. As SANS 517 *Light steel frame building* can be used as a basis for the design, its recent publication is important news for architects, engineers, developers and all others planning to use light steel frame building methods.

John Barnard, the Director of the SA Light Steel Frame Building Association (SASFA), and technical specialist responsible for SANS 517, comments on the standard as follows:

What is the importance of this technique for local construction projects?

“Light steel frame building has been described as ‘intelligent building’. Apart from the speed of construction – and hence earlier occupation – LSFb offers structurally sound buildings and logistical cost advantages, it offers buildings that comply with the insulation requirements of SANS 204 *Energy Efficiency in buildings*, neat and crisp finishes are possible, and reports have been received of cost savings of up to 20% compared with conventional masonry building. Wastage of building materials is minimised.

“Despite the recession, 20 000 tons of high strength galvanised steel was used for light steel frame building projects during 2009, a growth of 10% over 2008 volumes. As the local low rise building market contracted by ca 20% over the same period, this clearly shows that more builders are turning to light steel frame building.

How does light steel frame building differ from the use of steel in conventional building? “Light steel frame building is a building method, and should not be confused with prefabricated or ‘kit’ buildings. It can be described as ‘off-site’ building, as a lot of the manufacturing takes place in factories, and the components are then assembled on site.

“It consists of structural wall panels and/or trusses, assembled using cold formed steel sections made from thin gauge high strength galvanised steel sheet. Sections are joined together – typically in a factory – using rivets or self tapping screws, to form structural wall panels and/or roof trusses which are then transported to site for erection on foundations or floor slabs.

“Similar to timber frame construction, the wall frames are clad externally and internally on site with a range of alternative cladding materials, with services (electrical and plumbing) and insulation material installed in the wall cavity. Any type of roofing material can be used”, John concluded.

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TECHNICAL COMMUNIQUE

TOWARDS BETTER SAFETY FOR DETONATORS, RELAYS AND EXPLOSIVES INITIATING DEVICES: SANS 551 PUBLISHED

A new standard that will help ensure the safe use of new types of detonators, relays and explosives initiating devices – especially electronic detonators – has been published. SANS 551 (full title SANS 551, *Detonators, relays and explosives initiating devices for commercial applications*) will be of importance to the mining industry, where large quantities of commercial explosives are used on a regular basis.

Victor Solomon, Chair of SABS TC 1064, *Explosives and detonators*, comments on SANS 551 as follows:

What was the background to the standard? “Local manufacturers and suppliers of explosives products have always internally adopted many of the internationally accepted methodologies in respect of product design, quality and safety, but formal South African National Standards (SANS) have only existed for ‘Permitted Explosives’ and ‘Permitted Detonators’ used in coal mining operations as well as for electronic detonator systems.

“The need for a South African National Standard for detonators, relays and explosives initiating devices was highlighted as early as 2006 when work on SANS 551 commenced. Instead of referencing a suite of various international standards it was decided to compile relevant South African National Standards (SANS), for ‘Detonators and Initiators’ and ‘Explosives’.

“A SABS Technical Committee (TC1064) was established, made up of relevant stakeholders, including regulators, manufacturers and users, and at the beginning of 2006, work commenced on SANS 551, *Detonators, relays and explosives initiating devices for commercial applications*.

“In many instances SANS 551 embodies the best practices and requirements contained in established international standards and where appropriate, international standards have been adapted for South African conditions or adopted as SANS standards.

“Applications from suppliers to export their products into the South African marketplace, created the need for the South African Chief Inspector of Explosives (CIE) to have a formal technical platform that can be referenced to make informed decisions regarding the approval of these products for use in South Africa.

What is the importance of the standard for local industry: “Amendments to the Explosives Act due to be published in January 2010, will require that all explosives and explosives accessories must be approved and authorised by the South African CIE. The new brief of the CIE in this regard includes inspection and approval of each explosives product to confirm compliance with a defined list of international standards.

“In addition, all new or modified explosives products manufactured in South Africa will in future also be subject to compliance with these standards. Most explosives suppliers are already working to these standards”, Solomon concluded.

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Standards Bulletin

Highlights : January 2010

S A B S

South African National Standards most likely to interest local readers:

New standards

SANS 448, *Ethanol gel for cooking and other gel burning appliances*

Specifies the requirements for ethanol gel for cooking and for other gel burning appliances.

ICS 27.070; 75.080; 75.160.02

SANS 61995-2, *Devices for the connection of luminaires for household and similar purposes Part 2: Standard sheets for DCL*

Applies to devices for the connection of luminaires (DCL) 250 V, 6 A a.c. intended for household and similar purposes, for the electrical connection to final circuits rated not more than 16 A, without providing mechanical support for the luminaire.

ICS 29.120.20; 29.140.40

SANS 20474, *Earth-moving machinery - Safety Parts 1-9*

Specifies the general safety requirements for earth-moving machinery, and is applicable to machine attachments, and to derivated machinery designed primarily for equipment used to loosen, pick-up, move, transport or distribute earth, or to grade earth and rock.

ICS 53.100

SANS 31010, *Risk management - Risk assessment techniques*

Supports ISO 31000 (published in South Africa as an identical adoption under the designation SANS 31000). Provides guidance on selection and application of systematic techniques for risk assessment. Is not intended for certification, regulatory or contractual use. Does not provide specific criteria for identifying the need for risk analysis, nor does it specify the type of risk analysis method that is required for a particular application.

ICS 03.100.01

SANS 20346, *Personal protective equipment - Protective footwear*

Specifies basic and additional (optional) requirements for protective footwear.

ICS 13.340.50

SANS 20347, *Personal protective equipment - Occupational footwear*

Specifies basic and additional (optional) requirements for occupational footwear.

ICS 13.430.50

Revised Standards

SANS 10228, *The identification and classification of dangerous goods for transport*

Covers the identification and classification of dangerous goods that are capable of posing a significant risk to health and safety or to property and the environment. Dangerous goods are classified in nine classes relating to the type of hazard and in three packing groups relating to the degree of danger posed within the class.

ICS 13.300

SANS 10229-1, *Transport of dangerous goods - Packaging and large packaging for road and rail transport Part 1: Packaging*

Identifies methods of packaging suitable for prescribed maximum quantities of dangerous goods that may be transported by road and rail. Describes minimum performance requirements for the packaging, the procedures to be followed to obtain approval from testing or certification authorities and gives details of the labels and marking to be displayed on the packaging.

ICS 03.220; 13.300; 55.020

SANS 20090, *Replacement brake lining assemblies and drum brake linings for power-driven vehicles and their trailers*

Applies to replacement brake lining assemblies intended for use in friction brakes that form part of a braking system of vehicles of category M, N, L and O, and replacement drum brake linings designed to be riveted to a brake shoe for fitment to and use on vehicles of category M3, N2, N3, O3 or O4.

ICS 43.040.40

Withdrawn standards

SANS 1116-2, *Retro-reflective number plates for motor vehicles Part 2: Number plates (aluminium)*

Specifies requirements for aluminium number plates that are intended for use on motor vehicles (including motor cycles and tricycles) and trailers.

ICS 43.040.60

SANS 1116-4, *Retro-reflective number plates for motor vehicles Part 4: Number plates (plastics)*

Specifies requirements for plastic number plates that are intended for use on motor vehicles (including motor cycles and tricycles) and trailers.

ICS 43.040.60

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New preselected CD-ROM collections:

CD-ROM Collection of Mandatory Standards for Vehicle Test Stations (comprising SANS 1055, SANS 1207, SANS 1496, SANS 1550-1, SANS 1550-2, SANS 1550-3, SANS 10047 and SANS 10216).

Updated preselected CD-ROM collections:

Collection of Dangerous Goods Standards on CD-ROM: SANS 10228 and SANS 10229-1 revised.

SANS 10228:2010 (Edition 5.0), The identification and classification of dangerous goods for transport.

SANS 10229-1:2010 (Edition 2.0), Transport of dangerous goods — Packaging and large packaging for road and rail transport — Part 1: Packaging.

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SANS 448 (2010) (2010-01-22)**Ethanol gel for cooking and other gel burning appliances**

Specifies the requirements for ethanol gel for cooking and for other gel burning appliances.

Ed 1 A4 9p EN PDF 9p EN Gr 5 ICS 27.070; 75.080; 75.160.01

SANS 904 (2010) (2010-01-22)**Leather - Chemical tests - Preparation of chemical test samples**

Specifies a method for the preparation of a test sample of leather for chemical analysis. It is applicable to all types of leather.

Ed 1 A4 7p EN PDF 7p EN Gr 6 ICS 59.140.30

ISO 4044:2008, idt

SANS 970 (2010) (2010-01-22)**Leather - Determination of nitrogen content and "hide substance" - Titrimetric method**

Specifies a titrimetric method for the determination of the nitrogen content and of the "hide substance" of leather.

Ed 1 A4 6p EN PDF 6p EN Gr 5 ICS 59.140.30

ISO 5397:1984, idt

SANS 3380 (2010) (2010-01-22)**Leather - Physical and mechanical tests - Determination of shrinkage temperature up to 100 °C**

Specifies a method for determination of the shrinkage temperature of leather up to 100 °C. It is applicable to all leathers.

Ed 1 A4 9p EN PDF 9p EN Gr 9 ICS 59.140.30

ISO 3380:2002, idt

SANS 4045 (2010) (2010-01-22)**Leather - Chemical tests - Determination of pH**

Specifies a method for determining the pH value and the difference figure of an aqueous leather extract.

Ed 1 A4 8p EN PDF 8p EN Gr 6 ICS 59.140.30

ISO 4045:2008, idt

SANS 4098 (2010) (2010-01-22)**Leather - Chemical tests - Determination of water-soluble matter, water-soluble inorganic matter and water-soluble organic matter**

Specifies a method of determination of water-soluble matter, water-soluble inorganic matter and water-soluble organic matter. It is applicable to all leather types.

Ed 1 A4 10p EN PDF 10p EN Gr 6 ICS 59.140.30

ISO 4098:2006, idt

SANS 4684 (2010) (2010-01-22)**Leather - Chemical tests - Determination of volatile matter**

Specifies a method of determination of volatile matter which is applicable to all leather types.

Ed 1 A4 9p EN PDF 9p EN Gr 6 ICS 59.140.30

ISO 4684:2005, idt

SANS 5398-1 (2010) (2010-01-22)**Leather - Chemical determination of chromic oxide content Part 1: Quantification by titration**

Describes a method for the determination of chromium in aqueous solution obtained from leather.

Ed 1 A4 12p EN PDF 12p EN Gr 7 ICS 59.140.30

ISO 5398-1:2007, idt

SANS 5398-2 (2010) (2010-01-22)**Leather - Chemical determination of chromic oxide content Part 2: Quantification by colorimetric determination**

Describes the determination of chrome by colorimetric means. It is applicable to leathers which are expected to have chromic oxide contents in excess of 0,05 %.

Ed 1 A4 13p EN PDF 13p EN Gr 7 ICS 59.140.30

ISO 5398-2:2009, idt

SANS 5398-3 (2010) (2010-01-22)**Leather - Chemical determination of chromic oxide content Part 3: Quantification by atomic absorption spectrometry**

Describes a method for the determination of chromium in aqueous solution obtained from leather.

Ed 1 A4 13p EN PDF 13p EN Gr 7 ICS 59.140.30

ISO 5398-3:2007, idt

SANS 5398-4 (2010) (2010-01-22)**Leather - Chemical determination of chromic oxide content Part 4: Quantification by inductively coupled plasma - optical emission spectrometer (ICP-OES)**

Describes a method for the determination of chromium in aqueous solution obtained from leather.

Ed 1 A4 13p EN PDF 13p EN Gr 7 ICS 59.140.30

ISO 5398-4:2007, idt

SANS 5433 (2010) (2010-01-15)**Leather - Bovine wet blue - Specification**

Specifies requirements, methods of sampling and methods of test for wet blue leather produced from bovine hides and parts of bovine hides tanned without hair and with the use of basic chromium sulfate as the primary tanning agent.

Ed 1 A4 11p EN PDF 11p EN Gr 7 ICS 59.140.30

ISO 5433:1999, idt

SANS 10183-4-7 (2010) (2010-01-22)**Adhesives for wood Part 4-7: Test methods - Resistance to creep under static loading for structural wood laminating adhesives used under exterior exposure conditions**

Covers adhesives suitable for the bonding of wood, including treated wood, into structural laminated wood products for general construction, for marine use, or for other uses where a high-strength general construction, creep-resistant, waterproof adhesive bond is required. Does not purport to address all of the safety concerns, if any, associated with its use.

Ed 1 A4 6p EN PDF 6p EN Gr 5 ICS 79.020; 83.180

ASTM D 3535:2007, idt

SANS 11641 (2010) (2010-01-22)**Leather - Tests for colour fastness - Colour fastness to perspiration**

Specifies a method of determining the colour fastness of leather of all kinds at all stages of processing, but it applies particularly to gloving, clothing and lining leathers, as well as leather for the uppers of unlined shoes.

Ed 1 A4 8p EN PDF 8p EN Gr 6 ICS 59.140.30

ISO 11641:1993, idt

SANS 12718 (2010) (2010-01-22)**Non-destructive testing - Eddy current testing - Vocabulary**

Defines terms used in eddy current testing.

Ed 1 A4 50p EN PDF 50p EN Gr 12 ICS 01.040.19; 19.100

ISO 12718:2008, idt

SANS 18173 (2010) (2010-01-22)**Non-destructive testing - General terms and definitions**

Defines the general technical terms that are used in many non-destructive testing disciplines.

Ed 1 A4 13p EN PDF 13p EN Gr 7 ICS 01.040.19; 19.100

ISO/TS 18173:2005, idt

SANS 20474-1 (2010) (2010-01-15)**Earth-moving machinery - Safety Part 1: General requirements**

Specifies the general safety requirements for earth-moving machinery, and is applicable to machine attachments, and to derivated machinery designed primarily for equipment used to loosen, pick-up, move, transport or distribute earth, or to grade earth and rock.

Ed 1 A4 29p EN PDF 29p EN Gr 10 ICS 53.100

ISO 20474-1:2008, idt

SANS 20474-2 (2010) (2010-01-15)**Earth-moving machinery - Safety Part 2: Requirements for tractor-dozers**

Covers the safety requirements specific to wheeled and crawler tractor-dozers, as well as those for rear-mounted winches on dozers.

Ed 1 A4 10p EN PDF 10p EN Gr 6 ICS 53.100

ISO 20474-2:2008, idt

SANS 20474-3 (2010) (2010-01-15)**Earth-moving machinery - Safety Part 3: Requirements for loaders**

Specifies the safety requirements specific to loaders, and the appropriate technical measures for eliminating or reducing risks arising from significant hazards, hazardous situations or events during commissioning, operation and maintenance.

Ed 1 A4 14p EN PDF 14p EN Gr 7 ICS 53.100

ISO 20474-3:2008, idt

SANS 20474-4 (2010) (2010-01-15)**Earth-moving machinery - Safety Part 4: Requirements for backhoe loaders**

Specifies the safety requirements specific to wheeled and crawler backhoe loaders, and deals with all significant hazards, hazardous situations and events relevant to the earth-moving machinery within its scope when used as intended or under conditions of misuse reasonably foreseeable by the manufacturer.

Ed 1 A4 21p EN PDF 21p EN Gr 9 ICS 53.100

ISO 20474-4:2008, idt

SANS 20474-5 (2010) (2010-01-15)**Earth-moving machinery - Safety Part 5: Requirements for hydraulic excavators**

Specifies the safety requirements specific to hydraulic excavators, and the appropriate technical measures for eliminating or reducing risks arising from significant hazards, hazardous situations or events during commissioning, operation and maintenance.

Ed 1 A4 19p EN PDF 19p EN Gr 9 ICS 53.100

SANS 20474-6 (2010) (2010-01-15)**Earth-moving machinery - Safety Part 6: Requirements for dumpers**

Specifies the safety requirements specific to wheeled and crawler dumpers, including compact dumpers and compact dumpers with standing operator. It is not applicable to road-truck-mounted dumpers.

Ed 1 A4 14p EN PDF 14p EN Gr 7 ICS 53.100

ISO 20474-6:2008, idt

SANS 20474-7 (2010) (2010-01-15)**Earth-moving machinery - Safety Part 7: Requirements for scrapers**

Specifies the safety requirements specific to graders, except for towed scrapers, and the appropriate technical measures for eliminating or reducing risks arising from significant hazards, hazardous situations or events during commissioning, operation and maintenance.

Ed 1 A4 11p EN PDF 11p EN Gr 7 ICS 53.100

ISO 20474-7:2008, idt

SANS 20474-8 (2010) (2010-01-15)**Earth-moving machinery - Safety Part 8: Requirements for graders**

Specifies the safety requirements specific to graders, and deals with all significant hazards, hazardous situations and events relevant to the earth-moving machinery within its scope when used as intended or under conditions of misuse reasonably foreseeable by the manufacturer.

Ed 1 A4 9p EN PDF 9p EN Gr 6 ICS 53.100

ISO 20474-8:2008, idt

SANS 20474-9 (2010) (2010-01-15)**Earth-moving machinery - Safety Part 9: Requirements for pipelayers**

Specifies the safety requirements specific to pipelayers, and the appropriate technical measures for eliminating or reducing risks arising from significant hazards, hazardous situations or events during commissioning, operation and maintenance.

Ed 1 A4 12p EN PDF 12p EN Gr 7 ICS 53.100

ISO 20474-9:2008, idt

SANS 24497-1 (2010) (2010-01-22)**Non-destructive testing - Metal magnetic memory Part 1: Vocabulary**

Specifies terms and definitions for procedures in the sphere of non-destructive testing by the method of metal magnetic memory.

Ed 1 A4 9p EN PDF 9p EN Gr 6 ICS 01.040.19; 01.040.25

ISO 24497-1:2007, idt

SANS 31010 (2010) (2010-01-15)**Risk management - Risk assessment techniques**

Supports ISO 31000 (published in South Africa as an identical adoption under the designation SANS 31000). Provides guidance on selection and application of systematic techniques for risk assessment. Is not intended for certification, regulatory or contractual use. Does not provide specific criteria for identifying the need for risk analysis, nor does it specify the type of risk analysis method that is required for a particular application.

Ed 1 A4 93p EN PDF 93p EN Gr 15 ICS 03.100.01

IEC ISO 31010:2009, idt

SANS 61995-2 (2010) (2010-01-22)**Devices for the connection of luminaires for household and similar purposes Part 2: Standard sheets for DCL**

Applies to devices for the connection of luminaires (DCL) 250 V, 6 A a.c. intended for household and similar purposes, for the electrical connection to final circuits rated not more than 16 A, without providing mechanical support for the luminaire.

Ed 1 A4 12p EN PDF 12p EN Gr 7 ICS 29.120.20; 29.140.40

IEC 61995-2:2009, idt

SANS 62223 (2010) (2010-01-22)**Insulators - Glossary of terms and definitions**

Specifies terms defined in standards that fall under the scope of technical committee TC 36: Insulators. Covers terms that can be found in IEC 60050-471 as well as terms not appropriate for inclusion in IEC 60050-471 but used widely in the standards of IEC TC 36.

Ed 1 A4 19p EN PDF 19p EN Gr 9 ICS 01.040.29; 29.080.10

IEC 62223:2009, idt

SANS 8539 (SABS ISO 8539) (2010) (2010-01-22)**Forged steel lifting components for use with Grade 8 chain**

Specifies general requirements for forged steel components of Grade 8 up to 63 t working load limit (WLL), mainly for use in chain slings, steel wire rope slings, and textile slings intended for lifting objects, materials or goods. Is not applicable to hand forged components and welded links, or other welded components.

Ed 2 A4 19p EN PDF 19p EN Gr 8 ICS 53.020.30

ISO 8539:2009, idt

Revision of SANS 8539:1986 (SABS ISO 8539)

SANS 10198-11 (SABS 0198-11) (2010) (2010-01-22)**The selection, handling and installation of electric power cables of rating not exceeding 33 kV Part 11: Jointing and termination of screened polymeric-insulated cables**

Deals with the practical aspects of handling and installing cables. Covers the jointing and termination of screened extruded solid dielectric-insulated cables of system operating voltage in the range 6,6 kV - 33 kV, using polyethylene (XLPE or PE), ethylene-propylene rubber (EPR) or similar materials for the core insulation. Also covers transition jointing to paper-insulated cables.

Ed 2 A4 37p EN PDF 37p EN Gr 10 ICS 29.240.20

Revision of SANS 10198-11:1988 (SABS 0198-11)

SANS 10228 (SABS 0228) (2010) (2010-01-22)**The identification and classification of dangerous goods for transport**

Covers the identification and classification of dangerous goods that are capable of posing a significant risk to health and safety or to property and the environment. Dangerous goods are classified in nine classes relating to the type of hazard and in three packing groups relating to the degree of danger posed within the class.

Ed 5 A4 462p EN PDF 462p Gr 24 ICS 13.300
EN

Revision of SANS 10228:2006 (SABS 0228)

SANS 10229-1 (2010) (2010-01-15)**Transport of dangerous goods - Packaging and large packaging for road and rail transport Part 1: Packaging**

Identifies methods of packaging suitable for prescribed maximum quantities of dangerous goods that may be transported by road and rail. Describes minimum performance requirements for the packaging, the procedures to be followed to obtain approval from testing or certification authorities and gives details of the labels and marking to be displayed on the packaging.

Ed 2 A4 213p EN PDF 213p Gr 21 ICS 03.220; 13.300; 55.020
EN

SANS 20090 (2010) (2010-01-22)**Replacement brake lining assemblies and drum brake linings for power-driven vehicles and their trailers**

Applies to replacement brake lining assemblies intended for use in friction brakes that form part of a braking system of vehicles of category M, N, L and O, and replacement drum brake linings designed to be riveted to a brake shoe for fitment to and use on vehicles of category M3, N2, N3, O3 or O4.

Ed 4 A4 51p EN PDF 51p EN Gr 13 ICS 43.040.40

ECE R90:2009, mod

SANS 60137 (SABS IEC 60137) (2010) (2010-01-22)**Insulated bushings for alternating voltages above 1 000 V**

Applicable to bushings intended for use in electrical apparatus, machinery, transformers, switchgear and installations for three-phase alternating current systems, having highest voltage for equipment above 1 000 V and power frequencies of 15 Hz up to and including 60 Hz.

Ed 3 A4 58p EN PDF 58p EN Gr 13 ICS 29.080.20

IEC 60137:2008, idt

Revision of SANS 60137:2004 (SABS IEC 60137)

SANS 62271-301 (2010) (2010-01-22)**High-voltage switchgear and controlgear Part 301: Dimensional standardisation of high-voltage terminals**

Applies to high-voltage switchgear and controlgear such as circuit-breakers, disconnectors and switches.

Ed 2 A4 9p EN PDF 9p EN Gr 6 ICS 29.130.10

IEC/TR 62271-301:2009, idt

SANS 975 (SABS 975) (2010) (2010-01-15)**Prestressed concrete pipes**

Covers prestressed concrete non-cylinder pipes (and joints) intended primarily for the conveyance of water and sewage under pressure, but does not cover the fittings for these pipes.

Ed 1.05 A4 19p EN PDF 19p EN Gr 8 ICS 23.040.50; 91.100.30
Am 1, 1972-03-01 Am 2, 1978-03-01 Am 3, 1980-11-01 Am 4, 1981-03-04 Am 5, 2010-01-15
Revision of SANS 975:1970 (SABS 975)

SANS 1453 (SABS 1453) (2010) (2010-01-22)**Copper tubes for medical gas and vacuum services**

Covers requirements for plain-ended copper tubes suitable for low pressure medical gas and vacuum services and, using the preferred size range, suitable for jointing by compression fittings or capillary solder fittings that comply with SANS 1067-1 and SANS 1067-2 respectively.

Ed 1.03 A4 13p EN PDF 13p EN Gr 6 ICS 11.040.10; 77.150.30
Am 1, 1997-08-11 Am 2, 2008-07-18 Am 3, 2010-01-22
Revision of SANS 1453:2008 (SABS 1453)

SANS 60745-2-15 (SABS IEC 60745-2-15) (2010) (2010-01-22)**Hand-held motor-operated electric tools - Safety Part 2-15: Particular requirements for hedge trimmers**

Applies to hedge trimmers which are designed for use by one operator for trimming hedges and bushes, utilizing one or more linear reciprocating cutter blades. Does not apply to hedge trimmers with a rotating blade.

Ed 2.01 A4 26p EN PDF 26p EN Gr 10 ICS 25.140.20; 65.060.80
IEC 60745-2-15:2009, idt
Am 1, 2010-01-22
Revision of SANS 60745-2-15:2007 (SABS IEC 60745-2-15)

SANS 70 (SABS SM 70) (2004) (2010-01-15)**Conditioning of textiles and standard temperate atmosphere for determining their physical and mechanical properties**

Specifies a method for the conditioning of textile samples and specifies the standard temperate atmosphere for determining their physical and mechanical properties.

Ed 3 A4 3p EN PDF 3p EN Gr 2 ICS 59.080.01

Revision of SANS 70:1972 (SABS SM 70)

SANS 79 (SABS SM 79) (2004) (2010-01-15)**Textiles - Mass per unit area of conditioned fabrics**

Specifies three alternative procedures for determining the mass per unit area of woven fabrics (including those of the stretch type), knitted fabrics, non-woven fabrics, composite fabrics and narrow fabrics, that have been conditioned in the standard atmosphere for testing.

Ed 4.01 A4 8p EN PDF 8p EN Gr 5 ICS 17.060; 59.080.30

Am 1, 2004-12-10

Revision of SANS 79:1993 (SABS SM 79)

SANS 80 (SABS SM 80) (2004) (2010-01-15)**Mass (oven-dry plus conventional allowance) per unit area of textile fabrics, free from non-fibrous material**

Specifies a method for the evaluation of the mass (oven-dry plus conventional allowance) per unit area of textile fabrics, free from non-fibrous material.

Ed 4 A4 5p EN PDF 5p EN Gr 3 ICS 17.060; 59.080.30

Revision of SANS 80:1978 (SABS SM 80)

SANS 81 (SABS SM 81) (2004) (2010-01-15)**Width of a textile fabric sample**

Specifies a method for the determination of the width of a textile fabric sample.

Ed 3 A4 2p EN PDF 2p EN Gr 1 ICS 59.080.30

Revision of SANS 81:1972 (SABS SM 81)

SANS 82 (SABS SM 82) (2004) (2010-01-15)**Width of a textile fabric in a piece or roll**

Specifies a method for the measurement of the width of a textile fabric in a piece or roll.

Ed 3 A4 2p EN PDF 2p EN Gr 1 ICS 59.080.30

Revision of SANS 82:1972 (SABS SM 82)

SANS 1532 (SABS 1532) (2003) (2010-01-22)**Vent valves for drainage installations**

Specifies the characteristics of vent valves intended for supplementary or alternative venting of drainage systems.

Ed 2 A4 12p EN PDF 12p EN Gr 6 ICS 23.060.40; 91.140.80

Revision of SANS 1532:1991 (SABS 1532)

SANS 1700-2-1 (2003) (2010-01-22)**Fasteners Part 2: Screw threads Section 1: ISO general purpose screw threads - Basic profile - Metric screw threads**

Specifies the basic profile for ISO general purpose metric screw threads (M).

Ed 1 A5 6p EN PDF 6p EN Gr 5 ICS 21.040.10
Loose-leaf

ISO 68-1:1998, idt

SANS 1700-2-2 (2003) (2010-01-22)**Fasteners Part 2: Screw threads Section 2: ISO general purpose metric screw threads - General plan**

Specifies ISO general purpose metric screw threads (M) having basic profile according to SANS 1700-2-1/ISO 68-1. Basic dimensions are given in ISO 724. For tolerances see ISO 965-1.

Ed 1 A5 8p EN PDF 8p EN Gr 6 ICS 21.040.10
Loose-leaf

ISO 261:1998, idt

SANS 1700-2-3 (2003) (2010-01-22)**Fasteners Part 2: Screw threads Section 3: ISO general purpose metric screw threads - Selected sizes for screws, bolts and nuts**

Specifies selected sizes for screws, bolts and nuts in the diameter range from 1 mm to 64 mm of ISO general purpose metric screw threads (M) having basic profile according to SANS 1700-2-1/ISO 68-1.

Ed 1 A5 5p EN PDF 5p EN Gr 5 ICS 21.040.10
Loose-leaf

ISO 262:1998, idt

SANS 1700-2-18 (2003) (2010-01-22)**Fasteners Part 2: Screw threads Section 18: ISO general purpose screw threads - Basic profile - Inch screw threads**

Specifies the basic profile for ISO inch screw threads.

Standards - Reaffirmed

The dates in brackets following the document number are the year of publication and the reaffirmation date.

SANS 1700-2-19 (2003) (2010-01-22)

Fasteners Part 2: Screw threads Section 19: ISO general purpose metric screw threads - Tolerances - Limits of sizes for hot-dip galvanized external screw threads to mate with internal screw threads tapped with tolerance position H or G after galvanizing

Specifies deviations and limits of sizes for pitch and crest diameters for ISO general purpose metric external screw threads conforming to SANS 1700-2-3/ISO 262 having a basic profile according to SANS 1700-2-1/ISO 68-1.

Ed 1 A5 7p EN PDF 7p EN Gr 6 ICS 21.040.10
Loose-leaf

ISO 965-4:1998, idt

SANS 1700-2-22 (2004) (2010-01-22)

Fasteners Part 2: Screw threads Section 22: Aerospace - MJ threads - Limit dimensions for bolts and nuts

Specifies limit dimensions for MJ threads for bolts and nuts of nominal diameter 1,6 mm to 39 mm for use in aerospace construction.

Ed 1 A5 9p EN PDF 9p EN Gr 6 ICS 49.030.10
Loose-leaf

ISO 5855-2:1999, idt

SANS 975 (SABS 975) (1970) (2010-01-15)**Prestressed concrete pipes**

Covers prestressed concrete non-cylinder pipes (and joints) intended primarily for the conveyance of water and sewage under pressure but does not cover the fittings for these pipes. Materials to be used in the manufacture of the pipes and the physical requirements of the pipes are specified. Appendices include guidance on design and notes on the pipe manufacturing processes.

Ed 1 A5 20p EN PDF 20p EN ICS 23.040.50; 91.100.30

Am 1, 1972-03-01 Am 2, 1978-03-01 Am 3, 1980-11-01 Am 4, 1981-03-04

Replaced by: SANS 975 (SABS 975) (2010)

SANS 1116-2 (SABS 1116-2) (2003) (2010-01-15)**Retro-reflective number plates for motor vehicles Part 2: Metal**

Specifies requirements for steel or aluminium number plates that are intended for use on motor vehicles (including motorcycles and tricycles) and trailers.

Ed 3 A4 20p EN PDF 20p EN ICS 43.040.60

Replaced by: SANS 1116-2 (SABS 1116-2) (2005)

SANS 1116-4 (SABS 1116-4) (2003) (2010-01-15)**Retro-reflective number plates for motor vehicles Part 4: Plastics**

Specifies requirements for plastic number plates that are intended for use on motor vehicles and trailers.

Ed 3 A4 17p EN PDF 17p EN ICS 43.040.60

Replaced by: SANS 1116-4 (SABS 1116-4) (2005)

SANS 1349 (SABS 1349) (2006) (2010-01-22)**Phenolic, aminoplastic and one-part polyurethane resin adhesives for the laminating and finger-jointing of timber, and for furniture and joinery**

Covers chemical, physical and performance requirements for three exposure classes of resin adhesives for wood, in liquid and powder form, based on the chemical reaction with formaldehyde of melamine, urea, melamine-urea compounds, polyurethane compounds, or phenolic compounds.

Ed 1.02 A4 12p EN PDF 12p EN ICS 79.040; 83.180; 97.140

Am 1, 2000-08-25 Am 2, 2006-01-20

Reason for withdrawal: Committee resolution taken at the meeting held on 2008-12-09 that this standard is obsolete.

SANS 1435 (SABS 1435) (2004) (2010-01-15)**Biocides for use in emulsions of aqueous metal working fluid and aqueous hydraulic fluid**

Covers three types (liquid, paste or solid) of organic biocides soluble in or miscible with water and oil. Specifies storage stability, biocidal efficacy, corrosiveness and skin irritation.

Ed 1.01 A4 12p EN PDF 12p EN ICS 75.100; 75.120

Am 1, 2004-08-06

Reason for withdrawal: Result of periodic review - Standard is obsolete

SANS 1453 (SABS 1453) (2008) (2010-01-22)**Copper tubes for medical gas and vacuum services**

Covers requirements for plain-ended copper tubes suitable for low pressure medical gas and vacuum services and, using the preferred size range, suitable for jointing by compression fittings or capillary solder fittings that comply with SANS 1067-1 and SANS 1067-2 respectively.

Ed 1.02 A4 13p EN PDF 13p EN ICS 11.040.10; 77.150.30

Am 1, 1997-08-11 Am 2, 2008-07-18

Replaced by: SANS 1453 (SABS 1453) (2010)

SANS 8539 (SABS ISO 8539) (1986) (2010-01-22)**Forged steel lifting components for use with grade T(8) chain**

Specifies requirements for forged lifting components for use in chain sling assemblies in a range of sizes having performance compatibility with the corresponding nominal sizes of grade T(8) chain complying with ISO 3076. Performance compatibility encompasses component strength and the necessary physical dimensions.

Ed 1 A4 12p EN PDF 12p EN ICS 53.020.30

ISO 8539:1986, idt

Am 1(National), 2001-12-07 Am 2(National), 2005-09-02

Replaced by: SANS 8539 (SABS ISO 8539) (2010)

SANS 10198-11 (SABS 0198-11) (1988) (2010-01-22)**The selection, handling and installation of electric power cables of rating not exceeding 33 kV Part 11: Jointing and termination of screened polymeric-insulated cables**

Deals with the practical aspects of handling and installing cables. It covers the jointing and termination of screened extruded solid dielectric-insulated cables of system operating voltage in the range 6,6 - 33 kV, using polyethylene (XLPE or PE), ethylene-propylene rubber (EPR) or similar materials for the core insulation. It also covers transition jointing to paper-insulated cables.

Ed 1 A4 33p EN PDF 33p EN ICS 29.240.20

Am 1, 1990-05-01

Replaced by: SANS 10198-11 (SABS 0198-11) (2010)

SANS 10224 (SABS 0224) (1990) (2010-01-15)**Non-flammable medical gas pipeline systems**

Covers requirements for the installation, construction, function, documentation and testing of non-flammable medical gas pipeline systems to ensure patient safety by delivery of the correct gas from the pipeline system. It includes requirements for the source of supply, distribution system, terminal units, warning systems, and for non-interchangeability between key components and service outlets.

Ed 1 A4 45p EN PDF 45p EN ICS 11.040.10; 23.040.01

ISO 7396:1987, neq

Replaced by: SANS 7396-1 (2009); SANS 7396-2 (2008)

SANS 10228 (SABS 0228) (2006) (2010-01-22)**The identification and classification of dangerous goods for transport**

Covers the identification and classification of dangerous substances and goods that are capable of posing a significant risk to health and safety or to property and the environment in the event of an incident during transport.

Ed 4 A4 430p EN PDF 430p EN ICS 13.300

Replaced by: SANS 10228 (SABS 0228) (2010)

SANS 10229-1 (2005) (2010-01-15)**Transport of dangerous goods - Packaging and large packaging for road and rail transport Part 1: Packaging**

Identifies various methods of packaging that are suitable for prescribed maximum quantities of dangerous goods that may be offered for transportation by road or by rail in South Africa. Describes minimum performance requirements for the packaging, the procedures to be followed to obtain approval from testing or certification authorities and gives details of the labels and marking to be displayed on the packaging.

Ed 1 A4 206p EN PDF 206p EN ICS 03.220; 13.300; 55.020

Replaced by: SANS 10229-1 (2010)

SANS 20090 (2008) (2010-01-22)**Replacement brake lining assemblies and drum brake linings for power-driven vehicles and their trailers**

Applies to replacement service brake lining assemblies intended for use in friction brakes forming part of the braking system of power-driven vehicles and their trailers authorized for use on public roads.

Ed 3 A4 40p EN PDF 40p EN ICS 43.040.40

ECE R90:2001, mod

Replaced by: SANS 20090 (2010)

SANS 60137 (SABS IEC 60137) (2004) (2010-01-22)**Insulated bushings for alternating voltages above 1 000 V**

Applicable to bushings intended for use in electrical apparatus, machinery, transformers, switchgear and installations for three-phase alternating current systems, having highest voltage for equipment above 1 000 V and power frequencies of 15 Hz up to and including 60 Hz.

Ed 2 A4 50p EN PDF 50p EN ICS 29.080.20

IEC 60137:2003, idt

Replaced by: SANS 60137 (SABS IEC 60137) (2010)

SANS 60745-2-15 (SABS IEC 60745-2-15) (2007) (2010-01-22)**Hand-held motor-operated electric tools - Safety Part 2-15: Particular requirements for hedge trimmers**

Applies to hedge trimmers which are designed for use by one operator for trimming hedges and bushes, utilizing one or more linear reciprocating cutter blades.

Ed 2 A4 26p EN PDF 26p EN ICS 25.140.20; 65.060.80

IEC 60745-2-15:2006, idt

Replaced by: SANS 60745-2-15 (SABS IEC 60745-2-15) (2010)

Standards - Withdrawn

The dates in brackets following the document number are the year of publication and the withdrawal date.

SANS 62271-301 (2005) (2010-01-22)

High-voltage switchgear and controlgear Part 301: Dimensional standardisation of terminals

Covers the dimensional standardisation of the terminals of high-voltage switchgear and controlgear such as circuit-breakers, disconnectors and switches. The terminals can be made of any suitable material. No coordination between dimensions and the rated normal current can be given.

Ed 1 A4 6p EN PDF 6p EN

ICS 29.130.10

IEC/TR 62271-301:2004, idt

Replaced by: SANS 62271-301 (2010)

Standards - Projects Approved

The date in brackets following the document number is the project approval date.

SANS 105-J03 (2010-01-22)

Textiles - Tests for colour fastness Part J03: Calculation of colour differences

Ed 2 ICS 59.080.01

ISO 105-J03:2009, idt

SANS 1025 (2010-01-22)

Animal drawn carts

Ed 1 ICS

SANS 1031 (2010-01-22)

Harnesses

Ed 1 ICS

SANS 3000-2-2-1-1 (2010-01-15)

Railway safety management Part 2-2: Technical requirements for engineering and operational standards - Track, civil and electrical infrastructure Section 1-1: Track - Level crossing

Ed 1 ICS 45.020; 93.100

SANS 10183-4-6 (2010-01-15)

Adhesives for wood Part 4-6: Test methods - Determination of pH

Ed 1 ICS 79.020; 83.180

EN 1245:1998, idt

SANS 10209 (SABS 0209) (2010-01-22)

The design and construction of private swimming pools

Ed 2 ICS 97.220.10

SANS 10372 (2010-01-22)

Automotive fitment centres

Ed 2 ICS 43.180

SANS 10400-X (2010-01-22)

The application of the National Building Regulations Part X: Environmental sustainability Section A: Energy usage in buildings

Ed 3 ICS

SANS 20010 (2010-01-22)

Uniform provisions concerning the approval of vehicles with regard to electromagnetic compatibility

Ed 2 ICS 33.100.10; 43.060.50

ECE R10:2008, idt

SANS 53015 (2010-01-15)

Maintenance for lifts and escalators - Rules for maintenance instructions

Ed 1 ICS

EN 13015:2001, idt

SANS 61558-2-16 (2010-01-22)

Safety of transformers, reactors, power supply units and similar products for voltages up to 1 100 V Part 2-16: Particular requirements for tests for switch mode power supply units and transformers for switch mode power supply units

Ed 1 ICS

IEC 61558-2-16:2009, idt

Standards - Projects cancelled

The date in brackets following the document number is the project cancelled date.

SANS 976 (2010-01-15)

Welding - Fusion welded joints in steel, nickel, titanium and their alloys (beam welding excluded) - Quality levels for imperfections

ISO 5817:2006, idt

SANS 1392 (SABS 1392) (2010-01-15)

Soft-top cases

SANS 10225 (SABS 0225) (2010-01-15)

Design and construction of lighting masts

ARP 085 (2010-01-22)

Railway terms and vocabulary

The date in brackets following the document number is the date on which the draft was issued.

2010-02-02

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SANS 724 (2010-01-19)**Personal protective equipment - Protective clothing against the thermal hazards of an electric arc**

Covers the design, selection and performance requirements of electric arc resistant clothing and equipment for the protection of persons against the thermal hazards of an electric arc, which could occur during operating or working on or near electrical equipment in the workplace.

Ed 1

ICS 13.260; 13.340.10

Closing Date: 2010-03-19

SANS 1032 (SABS 1032) (2010-01-21)**Detergent-disinfectants based on stabilized inorganic chlorine compounds**

Specifies requirements for two types of detergent-disinfectants based on stabilized inorganic chlorine compounds and other chemical agents (such as compatible surface-active agents and phosphates), that are miscible with water and intended for use on inanimate surfaces.

Ed 3

ICS 71.100.35

Closing Date: 2010-03-26

SANS 3001-GR31 (2010-02-02)**Civil engineering test methods Part GR31: The determination of the maximum dry density and optimum moisture content of laboratory mixed cementitiously stabilized materials**

Ed 1

ICS

Closing Date: 2010-04-01

SANS 3001-GR50 (2010-01-26)**Civil engineering test methods Part GR50: Preparation, compaction and curing of specimens of laboratory mixed cementitiously stabilized materials**

Ed 1

ICS

Closing Date: 2010-03-29

SANS 3001-GR51 (2010-01-26)**Civil engineering test methods Part GR51: Sampling, preparation, compaction and curing of field mixed freshly cementitiously stabilized materials including the determination of the maximum dry density and optimum moisture content**

Ed 1

ICS

Closing Date: 2010-03-29

SANS 3001-GR52 (2010-01-26)**Civil engineering test methods Part GR52: Sampling and preparation of cored specimens of field compacted matured cementitiously stabilized material**

Ed 1

ICS

Closing Date: 2010-03-29

SANS 3001-GR53 (2010-01-26)**Civil engineering test methods Part GR53: Determination of the unconfined compressive strength of compacted and cured specimens of cementitiously stabilized materials**

Ed 1

ICS

Closing Date: 2010-03-29

SANS 3001-GR54 (2010-01-26)**Civil engineering test methods Part GR54: Determination of the indirect tensile strength of compacted and cured specimens of cementitiously stabilized materials**

Ed 1

ICS

Closing Date: 2010-03-29

SANS 10231 (SABS 0231) (2010-01-26)**Transport of dangerous goods - Operational requirements for road vehicles**

Ed 3.01

ICS 13.300; 43.020

Closing Date: 2010-03-29

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2010-02-02

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SANS 10250 (2010-01-26)**Fitment and repair centres for automotive air-conditioning systems**

Ed 2

ICS 43.040.60; 43.180

Closing Date: 2010-03-26

SANS 17577 (2010-01-19)**Steel-ultrasonic testing for steel flat products of thickness equal to or greater than 6 mm**

Specifies the requirements for cast polypropylene (PP) films, which are mainly used for packaging.

Ed 1

ICS 77.040.20; 77.140.50

ISO 17577:2006, idt

Closing Date: 2010-02-17

SANS 19757-2 (2010-01-26)**Information technology - Document Schema Definition Language (DSDL) Part 2: Regular-grammar-based validation - RELAX NG**

Ed 1

ICS 35.240.30

ISO/IEC 19757-2:2008, idt

Closing Date: 2010-03-05

SANS 19757-3 (2010-01-26)**Information technology - Document Schema Definition Language (DSDL) Part 3: Rule-based validation - Schematron**

Ed 1

ICS 35.240.30

ISO/IEC 19757-3:2006, idt

Closing Date: 2010-03-05

SANS 19757-4 (2010-01-26)**Information technology - Namespace-based Validation Dispatching Language (NVDL)**

Ed 1

ICS 35.240.30

ISO/IEC 19757-4:2006, idt

Closing Date: 2010-03-05

SANS 23279 (2010-01-19)**Non-destructive testing of welds - Ultrasonic testing - Characterization of indications in welds**

Defines a procedure for classifying internal indications as planar or non-planar.

Ed 1

ICS 25.160.40

ISO 23279:2007, idt

Closing Date: 2010-02-17

SANS 60745-2-8 (SABS IEC 60745-2-8) (2010-01-26)**Hand-held motor-operated electric tools - Safety Part 2-8: Particular requirements for shears and nibblers**

Deals with the safety of hand-held motor-operated or magnetically driven shears and nibblers, the rated voltage of the shears and nibblers being not more than 250 V for single-phase a.c. or d.c. shears and nibblers, and 440 V for three-phase a.c. shears and nibblers.

Ed 2.01

ICS 25.140.20

IEC 60745-2-8:2009, idt

Closing Date: 2010-03-26

SANS 60745-2-14 (SABS IEC 60745-2-14) (2010-01-26)**Hand-held motor-operated electric tools - Safety Part 2-14: Particular requirements for planers**

Deals with the safety of hand-held motor-operated or magnetically driven planers, the rated voltage of the planers being not more than 250 V for single-phase a.c. or d.c. planers, and 440 V for three-phase a.c. planers.

Ed 2.01

ICS 25.140.20; 29.020

IEC 60745-2-14:2009, idt

Closing Date: 2010-03-26

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2010-02-02

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SANS 60969 (2010-01-26)

Self-ballasted lamps for general lighting services - Performance requirements

Specifies the performance requirements together with the test methods and conditions required to show compliance of tubular fluorescent and other gas-discharge lamps with integrated means for controlling starting and stable operation (self-ballasted lamps) intended for domestic and similar general lighting purposes having a rated wattage up to 60 W, a rated voltage of 100 V to 250 V and Edison screw or bayonet caps.

Ed 1.02

ICS 29.140.30

IEC 60969:2005, idt

Closing Date: 2010-02-26

Standards World-Wide News

This portion of the Standards Bulletin includes both electronic and printed news items relating to standardization world-wide that we hope will interest you. The source document is given at the end of each news item and those appearing in the print media are available in the combined SABS Standards Information Centre and SABS Media Centre.

ISO

THREE RECENT ADDITIONS TO THE ISO FAMILY

When it comes to ensuring optimal safety braking systems are probably one of the most important components of a vehicle. According to ISO a variety of brake pad testing methods are used today offering varying levels of accuracy and reliability. This verification is known as "wear testing" of the pad material on braking systems. One of the main difficulties commercial vehicle manufacturers face is costly, time-consuming and multiple testing. These costs would be drastically reduced if the brake pad could be tested once and the safety results accepted in all markets.

To address this difficulty ISO/TC 22 Road vehicles SC 2 Braking systems and equipment has now published a new standard that combines all the available wear requirements into a single procedure. Consequently ISO 26866:2009 *Road vehicles - Brake lining friction materials - Standard wear test procedure for commercial vehicles with air brakes* is intended to give users a good general overview of the wear behaviour of friction material in less time than all individual tests combined.

ISO 26866:2009 was developed to provide accurate and repeatable evaluation of the different tests, leading to reliable assessment of the efficiency of pad material on braking systems. It applies to various stages of the product's life cycle, including product development, product prototypes, product specification or validation and ongoing series production. The new standard is further intended for use in conjunction with other applicable standards or test procedures to fully assess the adequacy of friction material for use in a certain application, market or vehicle platform.

Commenting on ISO 26866:2009 Harald Abendroth who was the Convenor of the WG (Working Group) that developed that standard said that it is a result of a "close collaboration" with vehicle, brake system and component manufacturers. He added that the standard has been developed as part of the friction material globalization programme outlined in ISO15484:2008 *Road vehicles - Braking lining friction materials - Product definition and quality assurance*.

ISO 26866:2009 applies to commercial vehicles with air brakes in the categories M2, M3, N2, N3, O3 and O4, as defined in the UNECE (United Nations Economic Commission for Europe) UNECE R.E.3 (Consolidated Resolution on the Construction of Vehicles). UNECE R.E.3 and other UN ECE documents can be downloaded from the UNECE Transport Division website on the Internet at the following URL: <http://www.unece.org/trans/main/wp29/wp29wgs/wp29gen/wp29re3.html>

Food safety is another global concern and ISO is still engaged in the development of new additions to the ISO 22000 series for food safety management. The latest in the series is a technical specification designated ISO/TS 22002-1:2009 *Prerequisite programmes on food safety - Part 1: Food manufacturing*. ISO/TS 22002-1:2009 sets out requirements for prerequisite programmes needed to realize safe products and provide food that is safe for human consumption. It is intended to be used in conjunction with ISO 22000:2005 Food safety management systems - Requirements for any organisation in the food chain.

ISO/TS 22002-1:2009 is designed to help food manufacturers to control the likelihood of food safety hazards being introduced to the product through the work environment. The standard further highlights the possibility of biological, chemical and physical contamination of the product, including cross contamination between products. In addition the control of food safety hazard levels in the product and product processing environment are also addressed.

Commenting on this new technical specification Jacob Faergemand, Chairman of ISO/TC 34 Food Products SC 17 Management Systems for Food Safety, that developed ISO/TS 22002-1:2009 said that, as “the introduction of food safety hazards can occur at the manufacturing stage of the food supply chain, a hygienic environment is essential. That is why this ISO technical specification is very useful to reduce the likelihood that products will be exposed to hazards, that they will be contaminated and that hazards will proliferate.”

ISO 22002-1:2009 applies to all enterprises involved in food manufacturing, regardless of size or complexity. ISO 22002-1:2009 is not a requirement of ISO 22000:2005 and can therefore be used in parts or in its entirety, depending on the nature of the particular food manufacturing operation. Jacob Faergemand adds that ISO 22002-1:2009 is the first in a series planned standards and specifications for relevant food sector PRP since it is expected that other links in the food chain will request specific PRP based on the same mode over time.

It is anticipated that ISO/TS 22002-1:2009 will have a substantial impact in the food sector because the ISO Survey of Certifications - 2008 reveals that some 8 000 organisations in 112 countries were independently certified to ISO 22000:2005 at the end of 2008.

Another hot topic at present is risk and ISO/IEC 31010:2009 *Risk management – Risk assessment techniques* has recently been added to the risk management “toolbox” of ISO and IEC standards.

Risk assessment is an integral part of risk management in that it provides a structured process used to analyse the risk in terms of consequences and their probabilities, before the organisation decides on further treatment, if required.

Risk assessment provides decision-makers and responsible parties with an improved understanding of risks that could affect achievement of objectives, as well as of the adequacy and effectiveness of controls already in place. ISO/IEC 31010:2009 has been developed for use by both the novice and the experience risk managers. It forms part of an integrated risk management set of standards, developed with a view to providing a “best practice” approach.

ISO/IEC 31010:2009 establishes the basis for a decision about the most appropriate approach to be used to treat particular risks and to select between options. It covers risk assessment concepts and processes as well as the selection of risk assessment techniques. It also addresses such questions as what can happen and reasons why as well the consequences and the probability of the future occurrence of a particular risk.

It should be noted that the application of a range of techniques introduced ISO/IEC 31010:2009 make specific references to other documents where the concept and application of techniques are described in greater detail. Risk assessment is not a stand-alone activity and should be fully integrated into the other components in the risk management process. Consequently ISO/IEC 31010:2009 is designed to be used with ISO 31000:2009 *Risk management - Principles and guidelines* and ISO Guide 73:2009 *Risk management - Vocabulary*.

ISO/IEC 31010:2009 was developed by IEC TC 56 Dependability together with the ISO Technical Management Board's Risk Management Working Group.

(ISO Press Releases January/February 2010 @ <http://www.iso.org>)

EUROPE

WORKPLACES - RISK ASSESSMENT AND SAFE MAINTENANCE

European Agency for Safety and Health at Work *Healthy Workplaces - Risk Assessment Campaign* came to an end on 17 November 2009. It is reported that this campaign saw record levels of involvement across all the EU Member States and beyond. Hundreds of events were organised around the theme of risk assessment and its importance, over two million information sheets, DVDs and other pieces of campaign material were made available for free and for the first time, over forty prominent European organisations got involved in the campaign as official partners. According to Agency Director Jukka Takala, "the high level of participation in the campaign over the past months reflects the importance of risk assessment for healthy workplaces."

Throughout the Healthy Workplaces - Risk Assessment campaign, the Agency closely cooperated with its network of national focal points, as well as employer and worker groups, health and safety institutions, and professional organisations with which it works throughout Europe. The risk assessment campaign, which has had backing at the highest level in Europe, emphasized the fact that the regular assessment of workplace risks is the key to health and safety management. But risk assessment is not something that needs to be complicated, bureaucratic, or left to experts: rather it is something that organisations of all sizes can carry out (as the law requires them to do).

There are many risk assessment tools and methodologies available to help organisations assess their health and safety risks. The choice of method will depend on workplace conditions, such as the number of workers, the type of work activities and equipment, the particular features of the workplace and any specific risks.

The most common risk assessment instruments are checklists, which are a useful tool to help identify hazards. Other kinds of risk assessment tools include: guidance documents, handbooks, brochures, questionnaires and 'interactive tools' (free interactive software, including downloadable applications which are usually sector-specific). These tools can be either generic or branch/risk-specific.

European Agency for Safety and Health Agency has developed a new Risk Assessment Tools Database, which makes checklists and other resources, either generic or branch/risk-specific, freely available across Europe. The Risk Assessment Tools Database will be regularly updated and is designed to make risk assessments easier and more efficient. It can be searched for in various ways, including by the topic covered, by sector or by country. The Risk Assessment Tools Database is freely available for searching on the Internet at the following URL:

<http://osha.europa.eu/en/practical-solutions/risk-assessment-tools>

With the end of the Risk Assessment campaign, attention now shifts to a new Healthy Workplaces Campaign to raise awareness of the importance of maintenance for safe workplaces and the need to protect workers that carry it out. This new campaign will be officially launched on 28 April 2010 on the World Day for Safety and Health at Work and will run between 2010 and 2011.

(OSHA Press Releases 7 December 2009 @ <http://osha.europa.eu>)

CEN

SPOTLIGHT ON WRITING BOARDS AND ePROCUREMENT

CEN TC 207 Furniture recently published EN 14434:2010 *Writing boards for educational institutions - Ergonomic, technical and safety requirements and their test methods*. This standard covers all types of wall-mounted and free-standing boards including chalkboards, whiteboards and flip charts used for education and training or in meetings.

EN 14434:2010 aims to prevent serious injuries and misuse by specifying safety requirements and test methods. For example, all accessible edges shall be rounded and safety distances shall be respected in order to avoid shearing and pinching. There are stability requirements for mobile boards and surface tests for whiteboards and chalkboards such as the ability to write and erase, and scratch and staining tests). Structural tests are also detailed, as the parts, rails, fixing elements and so forth must not become loose, fail or break.

Since writing boards not only have to be safe but also user-friendly, EN 14434:2010 provides ergonomic requirements, such as the position of handles. Moreover a lot of attention has been paid to the content of the documents accompanying writing boards, such as assembly and installation instructions.

Turning to the facilitation of eCommerce within the EU (European Union) CEN officially launched an eProcurement framework to connect public organisations and private companies on 14 January 2010. This takes the form of a CWA (CEN Workshop Agreement) and consists of the following parts:

CWA 16073-0:2010 *Business Interoperability Interfaces for Public procurement in Europe - Part 0: Introduction*

CWA 16073-1:2010 *Business Interoperability Interfaces for Public procurement in Europe - Part 1: Profile overview*

CWA 16073-2:2010 *Business Interoperability Interfaces for Public procurement in Europe - Part 2: Convergence and gap analyses*

CWA 16073-3:2010 *Business Interoperability Interfaces for Public procurement in Europe – Part 3: Toolbox Requirements*

CWA 16073-4:2010 *Business Interoperability Interfaces for Public procurement in Europe – Part 4: Evaluation guidelines for testing and piloting*

According to CEN eBusiness and eProcurement are high on the political agenda of the EU. The European Commission made the development of an eProcurement framework a top priority in both the 2002 and the 2005 eEurope Action Plans. The Manchester Declaration states that by 2010 all public institutions must have the capability to carry out 100 % of their procurement electronically.

The new eProcurement framework supports cross border transactions, a very important asset of the European Union. Trading transactions within the community form the major share of all import and export transactions in all the member states. It is therefore important that those trading transactions are supported by cross border integration of the IT systems used by the partners involved.

A CWA is developed by a Workshop and reflects the consensus of identified individuals and organisations that are responsible for its contents. The CWA on Business Interoperability Interfaces (BII) started in 2007 as an initiative by a number of European countries within the CEN system. The objective was to prepare a next generation eProcurement framework accepted across Europe. After 14 meetings and thousands of man-hours, this has now been achieved and the results are available free of charge.

The BII framework is available at http://www.cen.eu/cen/Sectors/Sectors/ISSS/Activity/Ws_BII.asp

This CWA reflects the most recent technical and legal developments in Europe. They are ready for implementation as from today and have already been implemented in some European projects, such as PEPPOL (Pan-European Public eProcurement On-Line) at <http://www.peppol.eu> and the eInvoicing project of the European Commission.

CEN/BII has agreed on business rules taking into account the differences that exist in the countries that are doing trade within the EU. The result provides a common interpretation of the EU Directive that is now ready to be used by the business partners and their system providers. To secure appropriate governance and sustainability for what has been accomplished to date, the work of the BII workshop will now be moving to its next phase.

(CEN Press Releases 14 January 2010 @ <http://www.cen.eu>)

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ISO/Standard Week/Semaine 1 (2009)

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- [Standards published](#)
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List of ISO standards and other deliverables published between 2009-12-28 and 2010-01-03

#	Reference	Committee	Language	Title	Price Group	Actions
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- 1 - delayed publication of language version
 2 - corrected version
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List of ISO standards withdrawn between 2009-12-28 and 2010-01-03

#	Reference	Committee	Replaced by
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#	Reference	Committee	Language	Title	Price Group	Actions
1.	ISO/IEC 23002-4:2010	ISO/IEC JTC 1/SC 29	en	Information technology -- MPEG video technologies -- Part 4: Video tool library	U	- details on ISO Online - download area
2.	ISO 12625-12:2010	ISO/TC 6/SC 2	en fr	Tissue paper and tissue products -- Part 12: Determination of tensile strength of perforated lines -- Calculation of perforation efficiency	G	- details on ISO Online - download area
3.	ISO 6182-12:2010	ISO/TC 21/SC 5	en	Fire protection -- Automatic sprinkler systems -- Part 12: Requirements	H	- details on ISO Online - download area

				and test methods for grooved-end components for steel pipe systems		
4.	ISO 22369-2:2010	ISO/TC 23/SC 6	en fr	Crop protection equipment -- Drift classification of spraying equipment -- Part 2: Classification of field crop sprayers by field measurements	C	- details on ISO Online - download area
5.	ISO 2076:2010	ISO/TC 38	en fr	Textiles -- Man-made fibres -- Generic names	D	- details on ISO Online - download area
6.	ISO 105-A01:2010	ISO/TC 38/SC 1	en fr	Textiles -- Tests for colour fastness -- Part A01: General principles of testing	E	- details on ISO Online - download area
7.	ISO 19719:2010	ISO/TC 39/SC 8	en,fr,other ³	Machine tools -- Work holding chucks -- Vocabulary	V	- details on ISO Online - download area
8.	ISO 9539:2010	ISO/TC 44/SC 8	en fr	Gas welding equipment -- Materials for equipment used in gas welding, cutting and allied processes	B	- details on ISO Online - download area
9.	ISO 10961:2010	ISO/TC 58/SC 4	en	Gas cylinders -- Cylinder bundles -- Design, manufacture, testing and inspection	K	- details on ISO Online - download area
10.	ISO 16853:2010	ISO/TC 72/SC 1	en	Textile machinery -- Sliver cans, rectangular -- Main dimensions and tolerances	B	- details on ISO Online - download area
11.	ISO 17874-1:2010	ISO/TC 85/SC 2	en fr	Remote handling devices for radioactive materials -- Part 1: General requirements	N	- details on ISO Online - download area
12.	ISO 7396-1:2007/Amd 1:2010	ISO/TC 121/SC 6	en fr	Medical gas pipeline systems -- Part 1: Pipeline systems for	XZ	- details on ISO Online - download area

				compressed medical gases and vacuum -- Amendment 1: Requirements for terminal units for vacuum fitted on medical supply units with operator-adjustable portions and connected to the pipeline through flexible hoses		
13.	ISO 12968:2010	ISO/TC 163/SC 1	en	Thermal insulation products for building applications -- Determination of the pull-off resistance of external thermal insulation composite systems (ETICS) (foam block test)	C	- details on ISO Online - download area
14.	ISO 29803:2010	ISO/TC 163/SC 1	en	Thermal insulation products for building applications -- Determination of the resistance to impact of external thermal insulation composite systems (ETICS)	D	- details on ISO Online - download area
15.	ISO 10936-2:2010	ISO/TC 172/SC 7	en fr	Optics and photonics -- Operation microscopes -- Part 2: Light hazard from operation microscopes used in ocular surgery	B	- details on ISO Online - download area
16.	ISO 15752:2010	ISO/TC 172/SC 7	en fr	Ophthalmic instruments -- Endoilluminators -- Fundamental requirements and test methods for optical radiation safety	D	- details on ISO Online - download area

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List of ISO standards withdrawn between 2010-01-04 and 2010-01-10

#	Reference	Committee	Replaced by
1.	ISO 105-A01:1994	ISO/TC 38/SC 1	ISO 105-A01:2010
2.	ISO 2076:1999	ISO/TC 38/SC 23	ISO 2076:2010
3.	ISO 9539:1988	ISO/TC 44/SC 8	ISO 9539:2010
4.	ISO 16853:2003	ISO/TC 72/SC 1	ISO 16853:2010
5.	ISO 17874-1:2004	ISO/TC 85/SC 2	ISO 17874-1:2010
6.	ISO 10936-2:2001	ISO/TC 172/SC 7	ISO 10936-2:2010
7.	ISO 15752:2000	ISO/TC 172/SC 7	ISO 15752:2010

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1.	ISO 15242-2:2004/Cor 1:2010	ISO/TC 4	en fr	Rolling bearings -- Measuring methods for vibration -- Part 2: Radial ball bearings with cylindrical bore and outside surface -- Technical Corrigendum 1	free	- details on ISO Online - download area
2.	ISO 15242-3:2006/Cor 1:2010	ISO/TC 4	en fr	Rolling bearings -- Measuring methods for vibration -- Part 3: Radial spherical and tapered roller bearings with cylindrical bore and outside surface --	free	- details on ISO Online - download area

				Technical Corrigendum 1		
3.	ISO 8729-1:2010	ISO/TC 8/SC 6	en	Ships and marine technology -- Marine radar reflectors -- Part 1: Passive type	G	- details on ISO Online - download area
4.	ISO 10679:2010	ISO/TC 17/SC 11	en fr	Steel -- Cast tool steel	B	- details on ISO Online - download area
5.	ISO 7507-4:2010	ISO/TC 28/SC 2	en	Petroleum and liquid petroleum products -- Calibration of vertical cylindrical tanks -- Part 4: Internal electro-optical distance-ranging method	K	- details on ISO Online - download area
6.	ISO 13739:2010	ISO/TC 28/SC 2	en fr	Petroleum products -- Procedures for transfer of bunkers to vessels	S	- details on ISO Online - download area
7.	ISO/TR 9241-100:2010	ISO/TC 159/SC 4	en fr	Ergonomics of human-system interaction -- Part 100: Introduction to standards related to software ergonomics	K	- details on ISO Online - download area
8.	ISO 15798:2010	ISO/TC 172/SC 7	en fr	Ophthalmic implants -- Ophthalmic viscosurgical devices	H	- details on ISO Online - download area
9.	ISO/TS 10832:2009	ISO/TC 190/SC 4	en ² fr ²	Soil quality -- Effects of pollutants on mycorrhizal fungi -- Spore germination test	K	- details on ISO Online - download area
10.	ISO 14024:1999	ISO/TC 207/SC 3	ar ¹	Environmental labels and declarations -- Type I environmental labelling -- Principles and procedures	F	- details on ISO Online - download area
11.	ISO 14031:1999	ISO/TC 207/SC 4	ar ¹	Environmental management -- Environmental performance evaluation -- Guidelines	P	- details on ISO Online - download area

12.	ISO 15223-2:2010	ISO/TC 210	en fr	Medical devices -- Symbols to be used with medical device labels, labelling, and information to be supplied -- Part 2: Symbol development, selection and validation	H	- details on ISO Online - download area
13.	ISO 25178-6:2010	ISO/TC 213	en fr	Geometrical product specifications (GPS) -- Surface texture: Areal -- Part 6: Classification of methods for measuring surface texture	F	- details on ISO Online - download area

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List of ISO standards withdrawn between 2010-01-11 and 2010-01-17

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1.	ISO 8729:1997	ISO/TC 8/SC 6	ISO 8729-1:2010
2.	ISO 14951-1:1999	ISO/TC 20/SC 14	
3.	ISO 14951-2:1999	ISO/TC 20/SC 14	
4.	ISO 14951-3:1999	ISO/TC 20/SC 14	
5.	ISO 14951-4:1999	ISO/TC 20/SC 14	
6.	ISO 14951-5:1999	ISO/TC 20/SC 14	
7.	ISO 14951-6:1999	ISO/TC 20/SC 14	
8.	ISO 14951-7:1999	ISO/TC 20/SC 14	
9.	ISO 14951-8:1999	ISO/TC 20/SC 14	
10.	ISO 14951-9:1999	ISO/TC 20/SC 14	
11.	ISO 14951-10:1999	ISO/TC 20/SC 14	
12.	ISO 14951-11:1999	ISO/TC 20/SC 14	
13.	ISO 14951-12:1999	ISO/TC 20/SC 14	
14.	ISO 14951-13:1999	ISO/TC 20/SC 14	
15.	ISO 7507-4:1995	ISO/TC 28/SC 2	ISO 7507-4:2010
16.	ISO/TR 13739:1998	ISO/TC 28/SC 2	ISO 13739:2010
17.	ISO 105-C12:2004/Cor 1:2007	ISO/TC 38/SC 1	
18.	ISO 15798:2001	ISO/TC 172/SC 7	ISO 15798:2010
19.	ISO 15798:2001/Cor 1:2003	ISO/TC 172/SC 7	ISO 15798:2010
20.	ISO 15223:2000	ISO/TC 210	ISO 15223-1:2007

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1.	ISO/IEC 20000-2:2005	ISO/IEC JTC 1/SC 7	ru ¹	Information technology -- Service management -- Part 2: Code of practice	Q	- details on ISO Online - download area
2.	ISO/IEC 27006:2007	ISO/IEC JTC 1/SC 27	ru ¹	Information technology -- Security techniques -- Requirements for bodies providing audit and certification of information security management systems	R	- details on ISO Online - download area
3.	ISO/TR 24498:2006	ISO/TC 6	ru ¹	Paper, board and pulps -- Estimation of uncertainty for test methods	C	- details on ISO Online - download area
4.	ISO 80000-4:2006	ISO/TC 12	ru ²	Quantities and units -- Part 4:	M	- details on ISO Online - download area

				Mechanics		
5.	ISO 80000-5:2007	ISO/TC 12	ru ¹	Quantities and units -- Part 5: Thermodynamics	L	- details on ISO Online - download area
6.	ISO 10243:2010	ISO/TC 29/SC 8	en fr	Tools for pressing -- Compression springs with rectangular section -- Housing dimensions and colour coding	J	- details on ISO Online - download area
7.	ISO 29981:2010	ISO/TC 34/SC 5	en	Milk products -- Enumeration of presumptive bifidobacteria -- Colony count technique at 37 degrees C	J	- details on ISO Online - download area
8.	ISO 663:2007	ISO/TC 34/SC 11	ru ¹	Animal and vegetable fats and oils -- Determination of insoluble impurities content	C	- details on ISO Online - download area
9.	ISO/TS 22004:2005	ISO/TC 34/SC 17	ru ¹	Food safety management systems -- Guidance on the application of ISO 22000:2005	G	- details on ISO Online - download area
10.	ISO 8501-1:2007	ISO/TC 35/SC 12	ru ¹	Preparation of steel substrates before application of paints and related products - - Visual assessment of surface cleanliness -- Part 1: Rust grades and preparation grades of uncoated steel substrates and of steel substrates after overall removal of previous coatings	XT	- details on ISO Online - download area
11.	ISO 17201-3:2010	ISO/TC 43/SC 1	en fr	Acoustics -- Noise from shooting ranges - - Part 3: Guidelines for sound propagation calculations	U	- details on ISO Online - download area
12.	ISO 17201-5:2010	ISO/TC 43/SC 1	en fr	Acoustics -- Noise from shooting ranges - - Part 5: Noise management	M	- details on ISO Online - download area
13.	ISO/TS 27469:2010	ISO/TC 67/SC 6	en	Petroleum, petrochemical and natural gas industries - Method of test for	J	- details on ISO Online - download area

				fire dampers		
14.	ISO 12439:2010	ISO/TC 71/SC 3	en	Mixing water for concrete	G	- details on ISO Online - download area
15.	ISO 8566-1:2010	ISO/TC 96/SC 7	en fr	Cranes -- Cabins and control stations -- Part 1: General	C	- details on ISO Online - download area
16.	ISO 8566-3:2010	ISO/TC 96/SC 7	en fr	Cranes -- Cabins and control stations -- Part 3: Tower cranes	B	- details on ISO Online - download area
17.	ISO 16409:2006/Amd 1:2010	ISO/TC 106/SC 7	en fr	Dentistry -- Oral hygiene products -- Manual interdental brushes -- Amendment 1	XZ	- details on ISO Online - download area
18.	ISO 27892:2010	ISO/TC 112	en	Vacuum technology -- Turbomolecular pumps -- Measurement of rapid shutdown torque	H	- details on ISO Online - download area
19.	ISO 22394:2010	ISO/TC 119/SC 4	en	Hardmetals -- Knoop hardness test	H	- details on ISO Online - download area
20.	ISO 7396-1:2007/Amd 2:2010	ISO/TC 121/SC 6	en fr	Medical gas pipeline systems - - Part 1: Pipeline systems for compressed medical gases and vacuum -- Amendment 2	XZ	- details on ISO Online - download area

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#	Reference	Committee	Replaced by
1.	ISO 10243:1991	ISO/TC 29/SC 8	ISO 10243:2010
2.	ISO 8566-3:1992	ISO/TC 96/SC 7	ISO 8566-3:2010
3.	ISO 8566-1:1992	ISO/TC 96/SC 9	ISO 8566-1:2010

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ISO DIS/FDIS BALLOTING (OPEN BALLOTS) 2010-01-20

List of DIS and FDIS ballots that have recently been opened for voting:

ISO/DIS 27608.2

Animal and vegetable fats and oils -- Determination of Lovibond® colour -- Automatic method

Committee : ISO/TC 34/SC 11

Close of voting: 2010-03-18

ISO/IEC FDIS 24792

Information technology -- Telecommunications and information exchange between systems -- Multicast Session Management Protocol (MSMP)

Committee : ISO/IEC JTC 1/SC 6

Close of voting: 2010-03-19

ISO 17631:2002/FDAmD 1

Ships and marine technology -- Shipboard plans for fire protection, life-saving appliances and means of escape -- Amendment 1: Requirements specific to high speed crafts

Committee : ISO/TC 8/SC 1

Close of voting: 2010-03-20

ISO/DIS 3030 (Ed 3)

Rolling bearings -- Radial needle roller and cage assemblies -- Boundary dimensions and tolerances

Committee : ISO/TC 4/SC 5

Close of voting: 2010-06-18

ISO/DIS 5952 (Ed 4)

Continuously hot-rolled steel sheet of structural quality with improved atmospheric corrosion resistance

Committee : ISO/TC 17/SC 12

Close of voting: 2010-06-18

ISO/DIS 6722-1 (Ed 4)

Road vehicles -- 60 V and 600 V single-core cables -- Part 1: Dimensions, test methods and requirements for copper conductor cables

Committee : ISO/TC 22/SC 3

Close of voting: 2010-06-18

ISO/DIS 11452-4 (Ed 4)

Road vehicles -- Component test methods for electrical disturbances from narrowband radiated electromagnetic energy -- Part 4: Harness excitation methods

Committee : ISO/TC 22/SC 3

Close of voting: 2010-06-18

ISO 1446:2001/DAmD 1

Green coffee -- Determination of water content -- Basic reference method -- Amendment 1

Committee : ISO/TC 34/SC 15

Close of voting: 2010-06-18

ISO/DIS 7401 (Ed 3)

Road vehicles -- Lateral transient response test methods -- Open-loop test methods

Committee : ISO/TC 22/SC 9

Close of voting: 2010-06-20

ISO/DIS 12021

Road vehicles -- Sensitivity to lateral wind -- Open-loop test method using wind generator input

Committee : ISO/TC 22/SC 9

Close of voting: 2010-06-20

ISO DIS/FDIS BALLOTING (OPEN BALLOTS) 2010-01-24

List of DIS and FDIS ballots that have recently been opened for voting:

ISO/FDIS 105-E07 (Ed 4)

Textiles -- Tests for colour fastness -- Part E07: Colour fastness to spotting: Water

Committee : ISO/TC 38/SC 1

Close of voting: 2010-03-21

ISO/FDIS 105-E03 (Ed 4)

Textiles -- Tests for colour fastness -- Part E03: Colour fastness to chlorinated water (swimming-pool water)

Committee : ISO/TC 38/SC 1

Close of voting: 2010-03-21

ISO/FDIS 105-E01 (Ed 5)

Textiles -- Tests for colour fastness -- Part E01: Colour fastness to water
 Committee : ISO/TC 38/SC 1
 Close of voting: 2010-03-21

ISO/FDIS 105-E09 (Ed 4)

Textiles -- Tests for colour fastness -- Part E09: Colour fastness to potting
 Committee : ISO/TC 38/SC 1
 Close of voting: 2010-03-21

ISO/FDIS 105-E12 (Ed 4)

Textiles -- Tests for colour fastness -- Part E12: Colour fastness to milling: Alkaline milling
 Committee : ISO/TC 38/SC 1
 Close of voting: 2010-03-21

ISO/FDIS 11202 (Ed 2)

Acoustics -- Noise emitted by machinery and equipment -- Determination of emission sound pressure levels at a work station and at other specified positions applying approximate environmental corrections
 Committee : ISO/TC 43/SC 1
 Close of voting: 2010-03-21

ISO/FDIS 11204 (Ed 2)

Acoustics -- Noise emitted by machinery and equipment -- Determination of emission sound pressure levels at a work station and at other specified positions applying accurate environmental corrections
 Committee : ISO/TC 43/SC 1
 Close of voting: 2010-03-21

ISO/FDIS 11201 (Ed 2)

Acoustics -- Noise emitted by machinery and equipment -- Determination of emission sound pressure levels at a work station and at other specified positions in an essentially free field over a reflecting plane with negligible environmental corrections
 Committee : ISO/TC 43/SC 1
 Close of voting: 2010-03-21

ISO/FDIS 1135-4 (Ed 4)

Transfusion equipment for medical use -- Part 4: Transfusion sets for single use
 Committee : ISO/TC 76
 Close of voting: 2010-03-21

ISO/FDIS 15747 (Ed 2)

Plastic containers for intravenous injections
 Committee : ISO/TC 76
 Close of voting: 2010-03-21

ISO/FDIS 14602 (Ed 2)

Non-active surgical implants -- Implants for osteosynthesis -- Particular requirements
 Committee : ISO/TC 150/SC 5
 Close of voting: 2010-03-21

ISO/FDIS 13855 (Ed 2)

Safety of machinery -- Positioning of safeguards with respect to the approach speeds of parts of the human body
 Committee : ISO/TC 199
 Close of voting: 2010-03-21

ISO/FDIS 20869 (Ed 2)

Footwear -- Test methods for outsoles, insoles, lining and insocks -- Water soluble content
 Committee : ISO/TC 216
 Close of voting: 2010-03-21

ISO/FDIS 8820-4 (Ed 2)

Road vehicles -- Fuse-links -- Part 4: Fuse-links with female contacts (type A) and bolt-in contacts (type B) and their test fixtures
 Committee : ISO/TC 22/SC 3
 Close of voting: 2010-03-22

ISO/FDIS 11237

Rubber hoses and hose assemblies -- Compact wire-braid-reinforced hydraulic types for oil-based or water-based fluids -- Specification
 Committee : ISO/TC 45/SC 1
 Close of voting: 2010-03-22

ISO/DIS 13503-1 (Ed 2)

Petroleum and natural gas industries -- Completion fluids and materials -- Part 1: Measurement of viscous properties of completion fluids
 Committee : ISO/TC 67/SC 3
 Close of voting: 2010-06-21

ISO/DIS 13706 (Ed 3)
 Petroleum, petrochemical and natural gas industries -- Air-cooled heat exchangers
 Committee : ISO/TC 67/SC 6
 Close of voting: 2010-06-21

ISO 15912:2006/DAmD 1
 Dentistry -- Casting investments and refractory die materials -- Amendment 1
 Committee : ISO/TC 106/SC 2
 Close of voting: 2010-06-21

ISO/DIS 18930
 Imaging materials -- Pictorial colour reflection prints -- Methods for evaluating image stability under outdoor conditions
 Committee : ISO/TC 42
 Close of voting: 2010-06-22

ISO/DIS 12212
 Petroleum, petrochemical and natural gas industries -- Hairpin-type heat exchangers
 Committee : ISO/TC 67/SC 6
 Close of voting: 2010-06-22

ISO/DIS 19005-2
 Document management -- Electronic document file format for long-term preservation -- Part 2: Use of ISO 32000-1 (PDF/A)
 Committee : ISO/TC 171/SC 2
 Close of voting: 2010-06-22

ISO/DIS 8965 (Ed 2)
 Logging industry -- Technology -- Terms and definitions
 Committee : ISO/TC 218
 Close of voting: 2010-06-22

ISO DIS/FDIS BALLOTING (OPEN BALLOTS) 2010-01-27

List of DIS and FDIS ballots that have recently been opened for voting:

ISO/FDIS 27108
 Water quality -- Determination of selected plant treatment agents and biocide products -- Method using solid-phase microextraction (SPME) followed by gas chromatography-mass spectrometry (GC-MS)
 Committee : ISO/TC 147/SC 2
 Close of voting: 2010-03-26

ISO/FDIS 4309 (Ed 4)
 Cranes -- Wire ropes -- Code of practice for care and maintenance, inspection and discard
 Committee : ISO/TC 96/SC 3
 Close of voting: 2010-03-27

ISO/FDIS 22621-6
 Plastics piping systems for the supply of gaseous fuels for maximum operating pressures up to and including 2 MPa (20 bar) -- Polyamide (PA) -
 - Part 6: Code of practice for design, handling and installation
 Committee : ISO/TC 138/SC 4
 Close of voting: 2010-03-27

ISO/FDIS 22621-5
 Plastics piping systems for the supply of gaseous fuels for maximum operating pressures up to and including 2 MPa (20 bar) -- Polyamide (PA) -
 - Part 5: Fitness for purpose of the system
 Committee : ISO/TC 138/SC 4
 Close of voting: 2010-03-27

ISO/DIS 12490
 Petroleum and natural gas industries -- Actuation, mechanical integrity and sizing for pipeline valves
 Committee : ISO/TC 67/SC 2
 Close of voting: 2010-06-25

ISO/DIS 22068
 Sintered-metal injection-moulded materials -- Specifications
 Committee : ISO/TC 119/SC 5
 Close of voting: 2010-06-25

ISO/DIS 17268 (Ed 2)
 Gaseous hydrogen land vehicle refuelling connection devices
 Committee : ISO/TC 197
 Close of voting: 2010-06-25

ISO/DIS 13124

Fine ceramics (advanced ceramics, advanced technical ceramics) -- Test method for interfacial bond strength of ceramic materials

Committee : ISO/TC 206

Close of voting: 2010-06-25

ISO DIS/FDIS BALLOTING (OPEN BALLOTS) 2010-01-31

List of DIS and FDIS ballots that have recently been opened for voting:

ISO/DIS 3691-3.3

Industrial trucks -- Safety requirements and verification -- Part 3: Additional requirements for trucks with elevating operator position and trucks specifically designed to travel with elevated loads

Committee : ISO/TC 110/SC 2

Close of voting: 2010-03-27

ISO/FDIS 105-D01 (Ed 5)

Textiles -- Tests for colour fastness -- Part D01: Colour fastness to drycleaning using perchloroethylene solvent

Committee : ISO/TC 38/SC 1

Close of voting: 2010-03-28

ISO 10052:2004/FDAmD 1

Acoustics -- Field measurements of airborne and impact sound insulation and of service equipment sound -- Survey method -- Amendment 1

Committee : ISO/TC 43/SC 2

Close of voting: 2010-03-28

ISO 3386-1:1986/FDAmD 1

Polymeric materials, cellular flexible -- Determination of stress-strain characteristics in compression -- Part 1: Low-density materials -- Amendment 1

Committee : ISO/TC 45/SC 4

Close of voting: 2010-03-28

ISO 3386-2:1997/FDAmD 1

Flexible cellular polymeric materials -- Determination of stress-strain characteristics in compression -- Part 2: High-density materials -- Amendment 1

Committee : ISO/TC 45/SC 4

Close of voting: 2010-03-28

ISO/FDIS 1628-3 (Ed 3)

Plastics -- Determination of the viscosity of polymers in dilute solution using capillary viscometers -- Part 3: Polyethylenes and polypropylenes

Committee : ISO/TC 61/SC 9

Close of voting: 2010-03-28

ISO/FDIS 10342 (Ed 3)

Ophthalmic instruments -- Eye refractometers

Committee : ISO/TC 172/SC 7

Close of voting: 2010-03-28

ISO/FDIS 12867 (Ed 2)

Ophthalmic instruments -- Trial frames

Committee : ISO/TC 172/SC 7

Close of voting: 2010-03-28

ISO 14122-2:2001/FDAmD 1

Safety of machinery -- Permanent means of access to machinery -- Part 2: Working platforms and walkways -- Amendment 1

Committee : ISO/TC 199

Close of voting: 2010-03-28

ISO 14122-1:2001/FDAmD 1

Safety of machinery -- Permanent means of access to machinery -- Part 1: Choice of fixed means of access between two levels -- Amendment 1

Committee : ISO/TC 199

Close of voting: 2010-03-28

ISO 14122-3:2001/FDAmD 1

Safety of machinery -- Permanent means of access to machinery -- Part 3: Stairs, stepladders and guard-rails -- Amendment 1

Committee : ISO/TC 199

Close of voting: 2010-03-28

ISO 14122-4:2004/FDAmD 1

Safety of machinery -- Permanent means of access to machinery -- Part 4: Fixed ladders -- Amendment 1

Committee : ISO/TC 199

Close of voting: 2010-03-28

ISO/FDIS 2575 (Ed 8)

Road vehicles -- Symbols for controls, indicators and tell-tales

Committee : ISO/TC 22/SC 13

Close of voting: 2010-03-29

ISO/DIS 11613.4 (Ed 2)

Personal protective equipment ensembles for firefighters -- Test methods and requirements for PPE used for fighting fires in structures

Committee : ISO/TC 94/SC 14

Close of voting: 2010-03-29

ISO/DIS 27871

Cheese and processed cheese -- Determination of the nitrogenous fractions

Committee : ISO/TC 34/SC 5

Close of voting: 2010-06-28

ISO 21561:2005/DAmD 1

Styrene-butadiene rubber (SBR) -- Determination of the microstructure of solution-polymerized SBR -- Amendment 1

Committee : ISO/TC 45/SC 2

Close of voting: 2010-06-28

ISO/DIS 11299-3

Plastics piping systems for renovation of underground gas supply networks -- Part 3: Limning with close-fit pipes

Committee : ISO/TC 138

Close of voting: 2010-06-28

ISO/DIS 11299-1

Plastics piping systems for renovation of underground gas supply networks -- Part 1: General

Committee : ISO/TC 138

Close of voting: 2010-06-28

ISO/DIS 23500

Guidance for the preparation and quality management of fluids for haemodialysis and related therapies

Committee : ISO/TC 150/SC 2

Close of voting: 2010-06-28

ISO/DIS 28803

Ergonomics of the physical environment -- Application of international standards to people with special requirements

Committee : ISO/TC 159/SC 5

Close of voting: 2010-06-28

ISO 11979-8:2006/DAmD 1

Ophthalmic implants -- Intraocular lenses -- Part 8: Fundamental requirements -- Amendment 1

Committee : ISO/TC 172/SC 7

Close of voting: 2010-06-28

ISO/DIS 3377-1 (Ed 2)

Leather -- Physical and mechanical tests -- Determination of tear load -- Part 1: Single edge tear

Committee : IULTCS

Close of voting: 2010-06-28

ISO/DIS 5404 (Ed 2)

Leather -- Physical test methods -- Determination of water resistance of heavy leathers

Committee : IULTCS

Close of voting: 2010-06-28

ISO/DIS 10844 (Ed 2)

Acoustics -- Specification of test tracks for measuring noise emitted by road vehicles and their tyres

Committee : ISO/TC 43/SC 1

Close of voting: 2010-06-29

ISO/DIS 15626

Non-destructive testing of welds -- Time-of-flight diffraction technique (TOFD) -- Acceptance levels

Committee : ISO/TC 44/SC 5

Close of voting: 2010-06-29

ISO/DIS 13374-3

Condition monitoring and diagnostics of machines -- Data processing, communication and presentation -- Part 3: Communication

Committee : ISO/TC 108/SC 5

Close of voting: 2010-06-29

ISO DIS/FDIS BALLOTING (OPEN BALLOTS) 2010-02-03

List of DIS and FDIS ballots that have recently been opened for voting:

ISO/IEC 15909-1:2004/FDAmD 1

Software and system engineering -- High-level Petri nets -- Part 1: Concepts, definitions and graphical notation -- Amendment 1: Symmetric Nets

Committee : ISO/IEC JTC 1/SC 7

Close of voting: 2010-04-01

ISO/IEC FDIS 24800-3

Information technology -- JPSearch -- Part 3: Query format

Committee : ISO/IEC JTC 1/SC 29

Close of voting: 2010-04-02

ISO/IEC 15444-1:2004/FDAM 4

Information technology -- JPEG 2000 image coding system: Core coding system -- Part 1: -- Amendment 4: Profiles for broadcast applications

Committee : ISO/IEC JTC 1/SC 29

Close of voting: 2010-04-02

ISO/FDIS 30002

Ships and marine technology -- Ship recycling management systems -- Guidelines for selection of ship recyclers (and pro forma contract)

Committee : ISO/TC 8

Close of voting: 2010-04-02

ISO/FDIS 12924

Lubricants, industrial oils and related products (Class L) -- Family X (Greases) -- Specification

Committee : ISO/TC 28/SC 4

Close of voting: 2010-04-02

ISO/DIS 12651-1

Electronic document management -- Vocabulary -- Part 1: Electronic document imaging

Committee : ISO/TC 171/SC 3

Close of voting: 2010-06-29

ISO/DIS 4999 (Ed 5)

Continuous hot-dip terne (lead alloy) coated cold-reduced carbon steel sheet of commercial, drawing and structural qualities

Committee : ISO/TC 17/SC 12

Close of voting: 2010-07-01

ISO/DIS 16162 (Ed 3)

Continuously cold-rolled steel sheet products -- Dimensional and shape tolerances

Committee : ISO/TC 17/SC 12

Close of voting: 2010-07-01

ISO/DIS 4998 (Ed 5)

Continuous hot-dip zinc-coated carbon steel sheet of structural quality

Committee : ISO/TC 17/SC 12

Close of voting: 2010-07-01

ISO/DIS 16163 (Ed 3)

Continuously hot-dipped coated steel sheet products -- Dimensional and shape tolerances

Committee : ISO/TC 17/SC 12

Close of voting: 2010-07-01

ISO/DIS 3632-1 (Ed 2)

Spices -- Saffron (*Crocus sativus* L.) -- Part 1: Specification

Committee : ISO/TC 34/SC 7

Close of voting: 2010-07-01

ISO/DIS 12670

Thermal spraying -- Components with thermally sprayed coatings -- Technical supply conditions

Committee : ISO/TC 107

Close of voting: 2010-07-02

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