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PUBLICATIONS

List 05/07

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.*

The following list shows the selling price for hard copies of standards collected at Standards Sales, applicable from 1 April 2007. Prices are subject to change without notice. Please add VAT.

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Handling costs will be levied on all consignments in accordance with Post Office tariffs or courier costs.

* 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.

TECHNICAL COMMUNIQUE

NEW STANDARD (SANS 368) PUBLISHED FOR LOCAL ALOE INDUSTRY

The aloe industry (based on the *Aloe vera* plant) is arguably the largest of all medicinal plant industries, with a worldwide turnover of more than \$110 billion. The turnover of just one American company producing tonic drinks based on Aloe is reportedly more than \$2 billion.

“If the South African aloe industry, based on the indigenous *Aloe ferox*, can be improved and gain only 1 % of the international aloe trade, then a turnover of more than \$1 billion can be realised” said Prof Ben-Erik van Wyk, Chairperson and Director of the Aloe Council of South Africa. “Growth in the local industry would also create more jobs in rural areas, where unemployment is high and jobs are desperately needed. That is why the publication of this standard (SANS 368, *Aloe raw material*) is so important for the local aloe industry if it is to gain a foothold in first world markets and compete successfully with the highly organised *Aloe vera* industry.

“The problem is that *Aloe vera* is currently used as the international standard. So when local *Aloe ferox* products are exported, they are measured against the *Aloe vera* standards, and it is then claimed that the product is not acceptable. By having a national standard to work to, South African exporters will then be able to convince overseas importers that their product is of high quality”, Van Wyk continued.

“This standard was developed to cater for all role players in the industry, and does not contain unrealistic and complicated analytical procedures. The main feature is transparency: the levels of required chemical compounds in the raw material product must be revealed, so that the client can make his own judgement about its suitability for his purpose.

“In other words, SANS 368 does not make any value judgements about one type of aloe producing a better raw material than another. The use of the standard will ensure that *Aloe ferox* material is of a high quality, and that the active ingredients and other ingredients are openly specified,” he concluded.

In essence, the standard specifies requirements and test methods for *Aloe ferox* raw material intended to be used in consumer products including health, cosmetic, health food, medicinal, veterinary and industrial products. While primarily developed for *Aloe ferox*, it could be applicable to other aloe species.

For further information, please contact:

To purchase the standard:
Standards Sales at the SABS
Telephone 012 428-6883
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Email sales@sabs.co.za

The standard can also be downloaded directly from our secure standards webstore

(http://www.sabs.co.za/Business_Units/Standards_SA/WebStore/WebStoreHome.aspx) on entry of a credit card number.

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ADDITIONAL BACKGROUND INFORMATION

- *Aloe vera* is a plant known since ancient times in North Africa and Arabia.
- Alexander the Great conquered the island of Socotra to gain control of the supply of aloe for his armies. At the time, it was the only known way of treating wounds, burns, and a digestive aid: in short, in those days, you simply could not go to war without sufficient supplies of aloe.
- By 1500, the dried sap and aloe plants were in use throughout Europe to treat external wounds and diseases, and as a purgative. Purgatives were then thought to be the best way of treating just about all digestive and stomach problems.
- Spanish colonists and missionaries took the plant to their colonies in South and Central America, where it was typically planted around Jesuit missions and used extensively by them as a medicinal plant for the local population. Texas, as a former Spanish colony, would thus have been exposed to *Aloe vera* long before it became an American state. *Aloe vera* was later cultivated as a commercial crop in the Caribbean.
- While there is very good scientific evidence that aloe gel is excellent in treating wounds and skin conditions, the oral use of aloe gel as a tonic drink is a more modern development.
- The real dietary value of plant gels is not yet properly understood.

South African National Standards most likely to interest local readers:

SANS 227, *Burnt clay masonry units*

Covers burnt clay masonry units for use in masonry walling (engineering, facing and non-facing). Lays down a classification system. Includes requirements for shape, appearance, texture, colour, dimensions, warpage, compressive strength, efflorescence and soundness; methods of test for water absorption, water-soluble salts, and moisture expansion and information on compressive strength of engineering units, the usage rate of units per square metre of walling and explanatory notes on efflorescence.

ICS 91.100.15; 91.100.25

SANS 520, *Coke (greater than 20 mm in size) - Determination of mechanical strength*

A sample of coke greater than 20 mm in size and of known size distribution is subjected to mechanical stresses in a rotating drum. The degree of breakdown of the coke is evaluated by a process of sieving and size analysis after 100 drum revolutions (Micum test) and, if desired, after 500 drum revolutions (Irsid test).

ICS 75.160.10

SANS 605, *Uses of certified reference materials*

The uses of certified reference materials (CRMs) and their correct applications.

ICS 71.040.30

SANS 1545-5, *Safety rules for the construction and installation of lifts – Part 5: Electric and hydraulic access, goods only lifts*

Specifies the safety rules for the construction and installation of permanently installed new electric or hydraulic access, goods only lifts that comprise cars, the interior of which is regarded as accessible to persons but it is not to be used by persons on account of its means of construction, that run at least partially between rigid vertical guide rails or guide rails whose inclination to the vertical does not exceed 15° and that are driven electrically or hydraulically.

ICS 91.140.90

SANS 4305, *Mobile cranes - Determination of stability*

Specifies the conditions to be taken into consideration when verifying the stability of a mobile crane by calculation, assuming that the crane is operating on a firm and level surface (up to 1 % gradient). Applies to mobile cranes as defined in ISO 4306-2, i.e. appliances mounted on wheels (tyres) or crawlers, with or without outriggers.

ICS 53.020.20

SANS 4308-2, *Cranes and lifting appliances - Selection of wire ropes - Part 2: Mobile cranes - Coefficient of utilization*

Establishes the values of the minimum practical coefficient of utilization, Z_p , as defined in ISO 4308-1 (published in South Africa as an identical adoption under the designation SANS 4308-1), for ropes and rotation-resistant ropes used on mobile cranes.

ICS 53.020.01

SANS 10229-2, *Transport of dangerous goods - Packaging and large packaging for road and rail transport - Part 2: Large packaging*

The standard identifies various types of large packaging that are suitable for the transport of dangerous goods by road and rail. It describes minimum performance requirements for the large packaging, the procedures to be followed to obtain approval from test stations or certification authorities and gives details of the marking and labels to be displayed on the large packaging.

ICS 03.220; 13.300; 55.020

SANS 10406, *Transport of dangerous goods - The reprocessing of previously certified packaging*

The procedures to follow for the reprocessing of previously certified packaging for the transport of dangerous goods, to ensure that the reprocessed packaging meets agreed upon quality standards and that the safe transport of goods packaged in such reprocessed packaging is not compromised.

ICS 13.300; 55.020

SANS 11137-1, *Sterilization of health care products - Radiation - Part 1: Requirements for development, validation and routine control of a sterilization process for medical devices*

Specifies requirements for the development, validation and routine control of a radiation sterilization process for medical devices. It does not require that biological indicators be used for the validation or monitoring of radiation sterilization, nor does it require that a pharmacopoeial test for sterility be carried out for product release.

ICS 11.080.01

SANS 11137-2, *Sterilization of health care products - Radiation - Part 2: Establishing the sterilization dose*

Specifies methods of determining the minimum dose needed to achieve a specified requirement for sterility and methods to substantiate the use of 25 kGy or 15 kGy as the sterilization dose to achieve a sterilization assurance level, SAL, of a log of minus six. It also specifies methods of dose auditing in order to demonstrate the continued effectiveness of the sterilization dose.

ICS 11.080.01

SANS 19961, *Cranes - Safety code on mobile cranes*

Provides a guide to international standards applicable to mobile cranes - crawler cranes, railway cranes, wheel-mounted cranes and any variations thereof that retain the same fundamental characteristics - and a summary of related provisions. Special adaptations of the general types of machine covered, where applicable, also fall within its scope.

ICS 53.020.20

SANS 20007, *Uniform provisions concerning the approval of front and rear position (side) lamps, stop-lamps and end-outline marker lamps for power-driven vehicles and their trailers*

Applies to a) front and rear position (side) lamps and stop lamps for vehicles of categories L, M, N, O and T, and b) end-outline marker lamps for vehicles of categories M, N, O and T.

ICS 43.040.20

Orders: sales@sabs.co.za

SANS 130-1 (2007) (2007-05-18)

Thermoplastics pipes, fittings and assemblies for the conveyance of fluids - Determination of the resistance to internal pressure Part 1: General method

Specifies a general test method for determining the resistance to internal hydrostatic pressure at a given temperature of thermoplastics pipes, fittings and piping systems for the transport of fluids.

Ed 1 A4 15p EN PDF 15p EN Gr 8 ICS 23.040.20; 23.040.45
ISO 1167-1:2006, idt

SANS 143 (SABS 143) (2007) (2007-05-25)

Lidocaine (lignocaine) hydrochloride and noradrenaline (norepinephrine) injection for dental use

Specifies requirements for a sterile solution (in water for injections) of lidocaine (lignocaine) hydrochloride and noradrenaline (norepinephrine) for dental use.

Ed 3.01 A4 12p EN PDF 12p EN Gr 6 ICS 11.060.10; 11.120.10
Am 1, 2007-05-25
Revision of SANS 143:1999 (SABS 143)

SANS 179 (SABS 179) (2007) (2007-05-25)

Mutton cloth

Covers two types, each comprised of two classes of mutton cloth suitable for use in cleaning and for use in covering carcasses.

Ed 2.01 A4 10p EN PDF 10p EN Gr 5 ICS 59.080.30
Am 1, 2007-05-25
Revision of SANS 179:2006 (SABS 179)

SANS 196 (SABS 196) (2007) (2007-05-25)

Orthopaedic padding

Specifies requirements for five types of orthopaedic padding.

Ed 3 A4 10p EN PDF 10p EN Gr 5 ICS 11.040.30; 59.080.99
Revision of SANS 196:2000 (SABS 196)

SANS 227 (SABS 227) (2007) (2007-05-18)

Burnt clay masonry units

Covers burnt clay masonry units for use in masonry walling (engineering, facing and non-facing). Lays down a classification system. Includes requirements for shape, appearance, texture, colour, dimensions, warpage, compressive strength, efflorescence and soundness; methods of test for water absorption, water-soluble salts, and moisture expansion and information on compressive strength of engineering units, the usage rate of units per square metre of walling and explanatory notes on efflorescence.

Ed 4.04 A4 24p EN PDF 24p EN Gr 9 ICS 91.100.25; 91.100.15
Am 1, 1990-04-01 Am 2, 1992-03-01 Am 3, 2002-05-31 Am 4, 2007-05-18
Revision of SANS 227:2002 (SABS 227)

SANS 432 (SABS 432) (2007) (2007-05-25)

Indelible marking ink for textile fabrics

Covers requirements for two types of non-corrosive indelible marking ink suitable for marking textile fabrics (other than coated fabrics) and of any colour.

Ed 3.01 A4 10p EN PDF 10p EN Gr 5 ICS 59.080.30; 87.080; 97.195
Am 1, 2007-05-25
Revision of SANS 432:2006 (SABS 432)

SANS 510 (2007) (2007-05-25)

Road vehicles - Brake hose assemblies for hydraulic braking systems used with petroleum-base brake fluid

Specifies the test procedures for, and performance requirements and marking of hydraulic brake hose assemblies to be used in hydraulic brake systems of road vehicles of which the nominal inside diameter of the hose is 3, 2 mm or 4, 8 mm. Applies to assemblies made of a hose fabricated from cord and synthetic elastomers and assembled with metal end fittings for use with petroleum-base brake fluids.

Ed 1 A4 18p EN PDF 18p EN Gr 8 ICS 43.040.40
ISO 6120:1995, idt

SANS 520 (2007) (2007-05-25)

Coke (greater than 20 mm in size) - Determination of mechanical strength

A sample of coke greater than 20 mm in size and of known size distribution is subjected to mechanical stresses in a rotating drum. The degree of breakdown of the coke is evaluated by a process of sieving and size analysis after 100 drum revolutions (Micum test) and, if desired, after 500 drum revolutions (Irsid test).

Ed 1 A4 5p EN PDF 5p EN Gr 5 ICS 75.160.10
ISO 556:1980, idt

SANS 531 (2007) (2007-05-25)

Information and documentation - Rules for the abbreviation of title words and titles of publications

Gives rules for abbreviating titles of serials and, if appropriate, non-serial documents in languages using the Latin, Cyrillic and Greek alphabets. It also serves as the basis for the establishment of title word abbreviations by the ISSN Network.

SANS 567 (2007) (2007-05-25)

Coke - Determination of bulk density in a small container

Specifies a method for the determination of the bulk density of coke in a cubical container of capacity 0.2 cubic metres. It is applicable to coke with a nominal top size not greater than 125mm.

Ed 1 A4 7p EN PDF 7p EN Gr 6 ICS 75.160.10

ISO 567:1995, idt

SANS 580 (SABS 580) (2007) (2007-05-25)

Chloroprene rubber sheet (for waterproofing)

Covers chloroprene rubber sheet used in waterproofing applications. Requirements for materials, workmanship, dimensions and physical and chemical properties are specified.

Ed 1.02 A4 11p EN PDF 11p EN Gr 6 ICS 83.140.10; 91.120.30

Am 1, 1974-08-01

Revision of SANS 580:1973 (SABS 580)

SANS 602 (2007) (2007-05-25)

Terms and definitions used in connection with reference materials

Recommends terms and the meanings that should be assigned to them when used in connection with reference materials, with particular attention to terms that are used in reference material certificates and corresponding certification reports

Ed 1 A4 13p EN PDF 13p EN Gr 7 ICS 01.040.17; 17.020

ISO Guide 30:1992, idt

SANS 603 (2007) (2007-05-25)

Reference materials - Contents of certificates and labels

Assists producers in the preparation of clear and concise certificates to accompany certified reference materials. Such certificates, while their essential character, should help to provide, in summary form, all the information needed by the user of the reference material.

Ed 1 A4 14p EN PDF 14p EN Gr 7 ICS 17.020

ISO Guide 31:2000, idt

SANS 604 (2007) (2007-05-25)

Calibration in analytical chemistry and use of certified reference materials

The calibration of the parameters associated with chemical analyses and material testing deserves particular attention, because major errors can be made by neglecting or ignoring the basic principles of metrology which also apply to these areas. This guide identifies a number of general recommendations for those who, either in laboratories or as assessors, are faced with this problem.

Ed 1 A4 13p EN PDF 13p EN Gr 7 ICS 17.040.30

ISO Guide 32:1997, idt

SANS 605 (2007) (2007-05-25)

Uses of certified reference materials

The uses of certified reference materials (CRMs) and their correct applications.

Ed 1 A4 30p EN PDF 30p EN Gr 10 ICS 71.040.30

ISO Guide 33:2000, idt

SANS 607 (2007) (2007-05-25)

General requirements for the competence of reference material producers

General requirements in accordance with which a reference material producer has to demonstrate that it operates, if it is to be recognized as competent to carry out the production of reference materials. Reference material producers in the development and implementation of their quality systems, and by accreditation bodies, certification bodies and others concerned with assessing the competence of reference material producers. Quality system requirements in accordance with which reference materials shall be produced. It is intended to be used as part of a reference material producer's general quality assurance (QA) producers.

Ed 1 A4 31p EN DSS 31p EN Gr 11 ICS 03.120.10; 71.040.30

ISO Guide 34:2000, idt

SANS 608 (2007) (2007-05-25)

Reference materials - General and statistical principles for certification

Statistical principles to assist in the understanding and development of valid methods to assign values to properties of a reference material, including the evaluation of their associated uncertainty, and establish their metrological traceability. Reference materials (RMs) that undergo all steps described in this Guide are usually accompanied by a certificate and called a certified reference material (CRM).

Ed 1 A4 71p EN PDF 71p EN Gr 14 ICS 71.040.30

ISO Guide 35:2006, idt

SANS 612 (2007) (2007-05-18)

Code of practice for thermal insulation of pipework and equipment in the temperature range of -100 °C to +870 °C

Describes aspects of thermal insulation for pipework and equipment in the temperature range -100 °C to +870 °C. Installation techniques are described and can be used outside the temperature range indicated, however, specialist advice should be sought.

Ed 1 A4 125p EN PDF 125p EN Gr 15 ICS 23.040.01; 27.220; 91.100.60

BS 5970:2001, idt

SANS 659 (SABS 659) (2007) (2007-05-25)

Lidocaine (lignocaine) hydrochloride, adrenaline (epinephrine) and noradrenaline (norepinephrine) injection for dental use

Specifies requirements for a sterile solution (in water for injections) of lidocaine (lignocaine) hydrochloride, adrenaline (epinephrine) and noradrenaline (norepinephrine) for dental use.

Ed 3.01 A4 12p EN PDF 12p EN Gr 6 ICS 11.060.10; 11.120.10

Am 1, 2007-05-25

Revision of SANS 659:1999 (SABS 659)

SANS 682 (SABS 682) (2007) (2007-05-18)

Aluminium paint

This standard covers aluminium paint for use as a finishing coat on primed surfaces for exterior and interior exposure. This paint is suitable for use as a roof paint on suitably primed or previously painted galvanized iron.

Ed 3 A4 9p EN PDF 9p EN Gr 5 ICS 87.040

Revision of SANS 682:1972 (SABS 682)

SANS 690 (2007) (2007-05-25)

Documentation - Bibliographic references - Content, form and structure

Specifies the elements to be included in bibliographic references to published monographs and serials, to chapters, articles, etc. in such publications and to patent documents. It sets out a prescribed order for the elements of the reference and establishes conventions for the transcription and presentation of information derived from the source publication.

Ed 1 A4 16p EN PDF 16p EN Gr 8 ICS 01.140.20

ISO 690:1987, idt

SANS 690-2 (2007) (2007-05-25)

Information and documentation - Bibliographic references Part 2: Electronic documents or parts thereof

Specifies the elements to be included in bibliographic references to electronic documents. It sets out a prescribed order for the elements of the reference and establishes conventions for the transcription and presentation of information derived from the source electronic document.

Ed 1 A4 25p EN PDF 25p EN Gr 10 ICS 01.140.20

ISO 690-2:1997, idt

SANS 750 (SABS 750) (2007) (2007-05-25)

Interlock fabric

Covers three types of interlock fabric suitable for use in the manufacture of underwear and certain types of outerwear.

Ed 4.01 A4 11p EN PDF 11p EN Gr 6 ICS 59.080.30

Am 1, 2007-05-25

Revision of SANS 750:2004 (SABS 750)

SANS 817 (SABS 817) (2007) (2007-05-25)

Lidocaine (lignocaine) hydrochloride injection for dental use

Specifies requirements for a sterile solution (in water for injections) of lidocaine (lignocaine) hydrochloride and noradrenaline (norepinephrine) for dental use.

Ed 3.01 A4 10p EN PDF 10p EN Gr 5 ICS 11.060.10; 11.120.10

Am 1, 2007-05-25

Revision of SANS 817:1999 (SABS 817)

SANS 832 (2007) (2007-05-25)

Information and documentation - Bibliographic description and references - Rules for the abbreviation of bibliographic terms

Specifies rules for the abbreviation of words and word combinations that commonly appear in bibliographic descriptions and references in languages using the Latin, Cyrillic and Greek alphabets. Abbreviations of titles and title words are excluded from the scope of this standard and are covered by the provisions of ISO 4 (published in South Africa as an identical adoption under the designation SANS 531).

Ed 1 A4 10p EN PDF 10p EN Gr 6 ICS 01.140.20

ISO 832:1994, idt

SANS 950 (SABS 950) (2007) (2007-05-04)

Unplasticized polyvinyl chloride rigid conduit and fittings for use in electrical installations

Covers the material, dimensional and performance requirements of uPVC rigid conduit and fittings. Appendix C contains recommended installation procedures.

Ed 2.01 A4 33p EN PDF 33p EN Gr 10 ICS 29.120.10; 83.140.30

Am 1, 2007-05-04

Revision of SANS 950:1985 (SABS 950)

SANS 955 (SABS 955) (2007) (2007-05-25)

Lidocaine (lignocaine) hydrochloride and adrenaline (epinephrine) injection for dental use

Specifies requirements for a sterile solution (in water for injections) of lidocaine (lignocaine) hydrochloride and adrenaline (epinephrine) acid tartrate for dental use.

Ed 3.01 A4 12p EN PDF 12p EN Gr 6 ICS 11.060.10; 11.120.10

SANS 985 (SABS 985) (2007) (2007-05-25)

Polyester-and-wool uniform fabrics

Covers the requirements for seven types of dyed polyester-and-wool fabric suitable for lightweight uniforms.

Ed 3.02 A4 11p EN PDF 11p EN Gr 6 ICS 59.080.30; 61.020

Am 1, 2006-12-01 Am 2, 2007-05-25

Revision of SANS 985:2006 (SABS 985)

SANS 1008 (SABS 1008) (2007) (2007-05-25)

Warp-knitted pocketing

Covers general requirements and requirements for composition, structure, mass per square metre, width, piece length, dimensional stability, colour, colour fastness to washing, perspiration and rubbing, freedom from defects, and packing and marking of two types of warp-knitted pocketing made from polyamide or polyester yarns.

Ed 2.01 A4 10p EN PDF 10p EN Gr 5 ICS 59.080.30

Am 1, 2007-05-25

Revision of SANS 1008:2004 (SABS 1008)

SANS 1038 (SABS 1038) (2007) (2007-05-25)

Cotton eyelet fabric

Covers cotton eyelet fabric suitable for use in the manufacture of underwear and certain forms of outerwear. Lays down requirements for structure, stitch length, fabric and roll mass, width, colour, colour fastness to light, washing and perspiration, dimensional change on laundering, defects, and stringing of and allowance for defects.

Ed 2.01 A4 12p EN PDF 12p EN Gr 6 ICS 59.080.30

Am 1, 2007-05-25

Revision of SANS 1038:2004 (SABS 1038)

SANS 1156-2 (SABS 1156-2) (2007) (2007-05-25)

Hose for liquefied petroleum gas (LPG) Part 2: Hose and tubing for use in LPG vapour phase and LPG-air installations

Covers flexible rubber or PVC hose and tubing for use, at a temperature not exceeding 60 °C, in LPG vapour phase and LPG-air installations (including domestic applications).

Ed 1.02 A4 21p EN PDF 21p EN Gr 8 ICS 23.040.70; 75.200

Am 1, 2000-08-04 Am 2, 2007-05-25

Revision of SANS 1156-2:2000 (SABS 1156-2)

SANS 1210 (SABS 1210) (2007) (2007-05-18)

Hexagon wrench keys

Covers the material, dimensional, and mechanical strength requirements for hexagon wrench keys (Allen keys) in sizes ranging from 2 mm to 36 mm inclusive.

Ed 1.01 A4 10p EN PDF 10p EN Gr 5 ICS 25.140.30

Am 1, 2007-05-18

Revision of SANS 1210:1984 (SABS 1210)

SANS 1211 (SABS 1211) (2007) (2007-05-18)

Adjustable wrenches

Covers the requirements for the material, construction, type of finish and performance of 2 types of adjustable wrenches in sizes ranging from 100 mm to 600 mm.

Ed 1.02 A4 11p EN PDF 11p EN Gr 6 ICS 25.140.30

Am 1, 1987-06-01 Am 2, 2007-05-18

Revision of SANS 1211:1984 (SABS 1211)

SANS 1249 (SABS 1249) (2007) (2007-05-25)

Knitted uniform fabrics

Specifies requirements for six types of knitted fabrics. Types NKU 1 to NKU 5 (inclusive) are intended primarily for nurses' uniforms and type NKU 6 is intended primarily for uniforms for general use.

Ed 2.04 A4 16p EN PDF 16p EN Gr 7 ICS 59.080.30; 61.020

Am 1, 2000-12-18 Col 1, 1999-04-16 Am 2, 2005-08-12 Am 3, 2007-05-25

Revision of SANS 1249:2005 (SABS 1249)

SANS 1288 (SABS 1288) (2007) (2007-05-18)

Preservative-treated timber

Specifies treatment requirements (not methods of treatment) for preservative-treated timber and timber products with a predictable service life. The levels of preservative treatment are suitable for a range of hazard conditions.

Ed 3.01 A4 23p EN PDF 23p EN Gr 9 ICS 71.100.50; 79.040

Am 1, 2007-05-18

Revision of SANS 1288:2000 (SABS 1288)

SANS 1311 (SABS 1311) (2007) (2007-05-18)**Metal clisico windows**

Covers material, constructional and strength requirements for 2 types of clisico window complete with fittings. Figures illustrate typical surrounds and hot rolled mild steel sections.

Ed 1.02 A4 15p EN PDF 15p EN Gr 7 ICS 91.060.50

Am 1, 2002-03-25 Am 2, 2007-05-18

Revision of SANS 1311:2002 (SABS 1311)

SANS 1321-2 (SABS 1321-2) (2007) (2007-05-25)**Non-metallic waste traps Part 2: Rubber waste traps**

Covers requirements for 'P', 'S' and dip-tube bottle waste traps moulded from suitable butyl or EPDM rubber compounds and designed for use in domestic applications with baths, sinks, showers and other fitments.

Ed 1.02 A4 12p EN PDF 12p EN Gr 6 ICS 83.140.99; 91.140.80

Am 1, 1984-08-01 Am 2, 2007-05-25

Revision of SANS 1321-2:1982 (SABS 1321-2)

SANS 1498 (SABS 1498) (2007) (2007-05-18)**Algaecides for use in industrial cooling water**

Covers three types of organic algaecides (liquid, paste or solid) for the control of algae in industrial cooling water systems that have clean surfaces.

Ed 2 A4 15p EN PDF 15p EN Gr 7 ICS 07.100.20; 13.060.70; 13.060.25

Revision of SANS 1498:1989 (SABS 1498)

SANS 1505-1 (SABS 1505-1) (2007) (2007-05-18)**Ball type couplings and towing brackets for towing caravans and light trailers Part 1: Towing brackets and integrated towing devices**

Specifies requirements for towing brackets and integrated towing devices intended to be fitted to towing vehicles of gross vehicle mass (GVM) not exceeding 22 000 kg, and intended for towing a caravan or a light trailer of GVM not exceeding 3 500 kg.

Ed 2.03 A4 14p EN PDF 14p EN Gr 6 ICS 43.040.70

Am 1, 1998-09-11 Am 2, 2005-08-05 Am 3, 2007-05-18

Revision of SANS 1505-1:2005 (SABS 1505-1)

SANS 1545-5 (SABS 1545-5) (2007) (2007-05-04)**Safety rules for the construction and installation of lifts Part 5: Electric and hydraulic access, goods only lifts**

Specifies the safety rules for the construction and installation of permanently installed new electric or hydraulic access, goods only lifts that comprise cars, the interior of which is regarded as accessible to persons but it is not to be used by persons on account of its means of construction, that run at least partially between rigid vertical guide rails or guide rails whose inclination to the vertical does not exceed 15° and that are driven electrically or hydraulically.

Ed 1.01 A4 118p EN PDF 118p EN Gr 15 ICS 91.140.90

Am 1, 2007-05-04

Revision of SANS 1545-5:2000 (SABS 1545-5)

SANS 1553-1 (SABS 1553-1) (2007) (2007-05-18)**PVC-U window and door frames for external use Part 1: PVC-U profiles for window and door frames**

Specifies requirements for the material, basic properties, and design of extruded profiles produced from unplasticized poly(vinyl chloride) (PVC-U) for the construction of window and door frames for external use.

Ed 1.01 A4 37p EN PDF 37p EN Gr 10 ICS 91.060.50

Am 1, 2007-05-18

Revision of SANS 1553-1:1993 (SABS 1553-1)

SANS 1553-2 (SABS 1553-2) (2007) (2007-05-18)**PVC-U window and door frames for external use Part 2: Windows with frames made from PVC-U profiles**

Specifies requirements for the materials, construction, types, dimensions, properties and performance of windows with frames made from extruded unplasticized poly(vinyl chloride) (PVC-U) profiles that meet the requirements of SABS 1553-1. Excludes curtain walls that span across horizontal structural members or floors. PVC-U window frames exceeding 3 m in length are also excluded.

Ed 1.01 A4 47p EN PDF 47p EN Gr 11 ICS 91.060.50

Am 1, 2007-05-18

Revision of SANS 1553-2:1995 (SABS 1553-2)

SANS 1823 (SABS 1823) (2007) (2007-05-18)**Touch and close fasteners**

Specifies requirements for touch and close fasteners.

Ed 1.01 A4 14p EN PDF 14p EN Gr 6 ICS 61.040

Am 1, 2007-05-18

Revision of SANS 1823:2001 (SABS 1823)

SANS 1838-1 (SABS 1838-1) (2007) (2007-05-18)

Electronic self-indicating road vehicle mass measuring equipment for use by road traffic authorities Part 1: Non-automatic mass measuring equipment for static mass measurement

Specifies metrological and technical requirements for non-automatic electronic self-indicating mass measuring equipment that is used by road traffic authorities for static mass measurements. Gives requirements for metrological controls of mass measuring equipment used in terms of any road traffic legislation.

Ed 1.02 A4 39p EN PDF 39p EN Gr 10 ICS 17.060; 17.100

Am 1, 2007-01-19 Am 2, 2007-05-18

Revision of SANS 1838-1:2007 (SABS 1838-1)

SANS 1858 (SABS 1858) (2007) (2007-05-04)

Oil spill dispersants

Three types of oil spill dispersant: Type 1: A dispersant using hydrocarbons with low percentage of aromatics as a carrier, for use in undiluted form. Type 2: Water-dilutable concentrate, for use at sea after dilution of 1:10 with sea water (water, alcohols or glycols are used as a carrier) Type 3: A concentrate for use in undiluted form, the dispersant of choice for aerial spraying

Ed 1.01 A4 20p EN PDF 20p EN Gr 8 ICS 75.100

Am 1, 2007-05-04

Revision of SANS 1858:2002 (SABS 1858)

SANS 2503 (2007) (2007-05-18)

Gas welding equipment - Pressure regulators for gas cylinders used in welding, cutting and allied processes up to 300 bar

Specifies requirements for single or two-stage pressure regulators for connections to gas cylinders normally used for compressed gases up to 300 bar, for dissolved acetylene, for liquefied petroleum gases (LPG), methylacetylene-propadiene-mixtures (MPS) and carbon dioxide (CO₂) used in welding, cutting and allied processes.

Ed 1 A4 21p EN PDF 21p EN Gr 9 ICS 23.060.40

ISO 2503:1998, idt

SANS 2505 (2007) (2007-05-18)

Thermoplastics pipes - Longitudinal reversion - Test method and parameters

Specifies a method for determining the longitudinal of thermoplastics pipes, to be carried out in either a liquid or air. Applicable to all thermoplastics pipes with smooth internal and external walls of constant cross-section.

Ed 1 A4 10p EN PDF 10p EN Gr 6 ICS 23.040.20

ISO 2505:2005, idt

SANS 3996 (2007) (2007-05-25)

Road vehicles - Brake hose assemblies for hydraulic braking systems used with non-petroleum-base brake fluid

Specifies the test procedures for, and performance requirements and marking of hydraulic brake hose assemblies to be used in hydraulic brake systems of road vehicles of which the nominal inside diameter of the hose is 3, 2 mm or 4, 8 mm. Applies to assemblies made of a hose fabricated from cord and synthetic elastomers and assembled with metal end fittings for use with non-petroleum-base brake fluids.

Ed 1 A4 18p EN PDF 18p EN Gr 8 ICS 43.040.40

ISO 3996:1995, idt

SANS 4305 (2007) (2007-05-18)

Mobile cranes - Determination of stability

Specifies the conditions to be taken into consideration when verifying the stability of a mobile crane by calculation, assuming that the crane is operating on a firm and level surface (up to 1 % gradient). Applies to mobile cranes as defined in ISO 4306-2, i.e. appliances mounted on wheels (tyres) or crawlers, with or without outriggers.

Ed 1 A4 8p EN PDF 8p EN Gr 6 ICS 53.020.20

ISO 4305:1991, idt

SANS 4308-2 (2007) (2007-05-25)

Cranes and lifting appliances - Selection of wire ropes Part 2: Mobile cranes - Coefficient of utilization

Establishes the values of the minimum practical coefficient of utilization, Z_p, as defined in ISO 4308-1 (published in South Africa as an identical adoption under the designation SANS 4308-1), for ropes and rotation-resistant ropes used on mobile cranes.

Ed 1 A4 5p EN PDF 5p EN Gr 5 ICS 53.020.01

ISO 4308-2:1988, idt

SANS 4642 (2007) (2007-05-25)

Rubber products - Hoses, non-collapsible, for fire-fighting service

Covers requirements for two types and five grades of rubber hoses, suitable for use on portable and wheeled fire extinguishers, on wall-mounted fire hose reels and as booster hoses on fire apparatus.

Ed 1 A4 7p EN PDF 7p EN Gr 6 ICS 13.220.10; 23.040.70

ISO 4642:1978, idt

SANS 5217 (SABS SM 217) (2007) (2007-05-18)

Water - Free and saline ammonia content

Specifies a method of measuring the concentration of un-ionized and ionized ammoniacal nitrogen in water and in wastewater.

Ed 3.02 A4 6p EN PDF 6p EN Gr 4 ICS 13.060.50

SANS 6051 (SABS SM 1051) (2007) (2007-05-18)

Water - Oil and grease content

Specifies a method for the determination of the oil and grease content of water and wastewater.

Ed 2 A4 4p EN PDF 4p EN Gr 3 ICS 13.060.50

Revision of SANS 6051:1982 (SABS SM 1051)

SANS 6056 (SABS SM 1056) (2007) (2007-05-18)

Water - Sulfide content

Specifies a method for the determination of the sulfide content of water and wastewater.

Ed 2 A4 6p EN PDF 6p EN Gr 4 ICS 13.060.50

Revision of SANS 6056:1982 (SABS SM 1056)

SANS 6061 (SABS SM 1061) (2007) (2007-05-25)

CCA salts equivalent mass concentration of aqueous solutions that contain mixtures of copper-chromium-arsenic compounds used for timber preservation

Specifies a semi-quantitative method of determining the CCA salts equivalent mass concentration, C_m , of test samples of aqueous solutions that contain mixtures of copper-chromium-arsenic (CCA) timber preservative compounds, by means of the wet titration method.

Ed 3.01 A4 4p EN PDF 4p EN Gr 3 ICS 71.100.50

Am 1, 2007-05-25

Revision of SANS 6061:2000 (SABS SM 1061)

SANS 6219 (SABS SM 1219) (2007) (2007-05-18)

Permitted electric detonators: Incendivity (Gallery test)

Specifies a method to determine the incendivity of permitted electric detonators. Does not apply to electronic detonators or to permitted detonators of any other type.

Ed 2 A4 5p EN PDF 5p EN Gr 4 ICS 71.100.30

Revision of SANS 6219:1994 (SABS SM 1219)

SANS 6848 (SABS ISO 6848) (2007) (2007-05-18)

Arc welding and cutting - Nonconsumable tungsten electrodes - Classification

Specifies requirements for classification of non-consumable tungsten electrodes for inert gas shielded arc welding, and for plasma welding, cutting and thermal spraying.

Ed 2 A4 13p EN PDF 13p EN Gr 7 ICS 25.160.20

ISO 6848:2004, idt

Revision of SANS 6848:1984 (SABS ISO 6848)

SANS 6946 (2007) (2007-05-18)

Building components and building elements - Thermal resistance and thermal transmittance - Calculation method

Gives the method of calculation of the thermal resistance and thermal transmittance of building components and building elements, excluding doors, windows and other glazed units and components through which air is designed to permeate.

Ed 1 A4 30p EN PDF 30p EN Gr 10 ICS 91.120.10

ISO 6946:1996, idt

SANS 7752-2 (2007) (2007-05-25)

Lifting appliances - Controls - Layout and characteristics Part 2: Basic arrangement and requirements for mobile cranes

Establishes the arrangement, requirements, and direction of movement of the basic controls for slewing, load hoisting and lowering and jib luffing and telescoping. Applies to all mobile cranes as defined in ISO 4306-2.

Ed 1 A4 8p EN PDF 8p EN Gr 6 ICS 53.020.99

ISO 7752-2:1985, idt

SANS 8566-2 (2007) (2007-05-25)

Cranes - Cabins Part 2: Mobile cranes

Establishes the criteria for cabins for mobile cranes as defined in ISO 4306-2. These criteria are intended to cover cabins only for crane operation and not for road travel. The general criteria for cabins on mobile cranes are presented in ISO 8566-1 (published in South Africa as an identical adoption under the designation SANS 8566-1).

Ed 1 A4 8p EN PDF 8p EN Gr 6 ICS 53.020.20

ISO 8566-2:1995, idt

SANS 9692-1 (2007) (2007-05-18)

Welding and allied processes - Recommendations for joint preparation Part 1: Manual metal-arc welding, gas-shielded metal-arc welding, gas welding, TIG welding and beam welding of steels

Specifies types of joint preparation for metal-arc welding with covered electrode, gas-shielded metal-arc welding, gas welding, TIG welding and beam welding of steel. It applies to joint preparation for full penetration butt welds and for fillet welds. For partial penetration butt welds, types of joint preparation and dimensions differing from those specified in this part of ISO 9692 may be stipulated. The root gaps referred to are those gaps presented after tack welding, if used.

Ed 1 A4 22p EN PDF 22p EN Gr 9 ICS 25.160.40

SANS 10011 (SABS 011) (2007) (2007-05-25)**Care-labelling of textile piece-goods, textile articles and clothing**

Covers a system of graphic symbols for use in the permanent marking of textile piece-goods for retail sale, made-up textile articles and clothing, to provide the consumer, the dry-cleaner and the launderer with information on the appropriate cleaning processes essential for the care of the textile piece-goods, textile articles and clothing.

Ed 4.01 A4 21p EN PDF 21p EN Gr 8 ICS 59.080.01; 61.020

Am 1, 2007-05-25

Revision of SANS 10011:2006 (SABS 011)

SANS 10066 (SABS 066) (2007) (2007-05-25)**Application of thermal process control to low-acid fish canning factories**

Describes procedures in the canning of low-acid canned fish, which, when strictly followed, ensure microbiological stability in the final product. It covers the exhausting of cans, temperature of packing medium, seaming, can washing, retorting, cooling of processed cans, storage and inspection.

Ed 3 A4 29p EN PDF 29p EN Gr 9 ICS 03.100.50; 67.020

Revision of SANS 10066:1973 (SABS 066)

SANS 10229-2 (2007) (2007-05-25)**Transport of dangerous goods - Packaging and large packaging for road and rail transport Part 2: Large packaging**

The standard identifies various types of large packaging that are suitable for the transport of dangerous goods by road and rail. It describes minimum performance requirements for the large packaging, the procedures to be followed to obtain approval from test stations or certification authorities and gives details of the marking and labels to be displayed on the large packaging.

Ed 1 A4 37p EN PDF 37p EN Gr 11 ICS 13.300; 55.020; 03.220

SANS 10369 (SABS 0369) (2007) (2007-05-18)**Non-destructive examination and testing of steel wire rope**

Specifies the requirements for the non-destructive examination of wire rope, taking into account the different types of rope and their functions. Covers the general requirements and use of non-destructive examination (NDE) equipment in the examination of all types of steel wire rope.

Ed 1.01 A4 17p EN PDF 17p EN Gr 7 ICS 77.040.20; 77.140.65

Am 1, 2007-05-18

Revision of SANS 10369:2002 (SABS 0369)

SANS 10406 (2007) (2007-05-04)**Transport of dangerous goods - The reprocessing of previously certified packaging**

The procedures to follow for the reprocessing of previously certified packaging for the transport of dangerous goods, to ensure that the reprocessed packaging meets agreed upon quality standards and that the safe transport of goods packaged in such reprocessed packaging is not compromised.

Ed 1.01 A4 15p EN PDF 15p EN Gr 7 ICS 13.300; 55.020

SANS 10456 (2007) (2007-05-25)**Building materials and products - Procedures for determining declared and design thermal values**

Specifies methods for the determination of declared and design thermal values for thermally homogeneous building materials and products. It also gives procedures to convert values obtained under one set of conditions to those valid for another set of conditions. These procedures are valid for design ambient temperatures between -30 °C and +60 °C.

Ed 1 A4 21p EN PDF 21p EN Gr 9 ICS 91.100.01

ISO 10456:1999, idt

SANS 11137-1 (2007) (2007-05-18)**Sterilization of health care products - Radiation Part 1: Requirements for development, validation and routine control of a sterilization process for medical devices**

Specifies requirements for the development, validation and routine control of a radiation sterilization process for medical devices. It does not require that biological indicators be used for the validation or monitoring of radiation sterilization, nor does it require that a pharmacopoeial test for sterility be carried out for product release.

Ed 1 A4 44p EN PDF 44p EN Gr 12 ICS 11.080.01

ISO 11137-1:2006, idt

SANS 11137-2 (2007) (2007-05-18)**Sterilization of health care products - Radiation Part 2: Establishing the sterilization dose**

Specifies methods of determining the minimum dose needed to achieve a specified requirement for sterility and methods to substantiate the use of 25 kGy or 15 kGy as the sterilization dose to achieve a sterilization assurance level, SAL, of a log of minus six. It also specifies methods of dose auditing in order to demonstrate the continued effectiveness of the sterilization dose.

Ed 1 A4 67p EN PDF 67p EN Gr 14 ICS 11.080.01

ISO 11137-2:2006, idt

SANS 11137-3 (2007) (2007-05-18)**Sterilization of health care products - Radiation Part 3: Guidance on dosimetric aspects**

Gives guidance on the requirements relating to dosimetry and describes dosimetry procedures related to the development, validation and routine control of a radiation sterilization process.

SANS 11607-1 (2007) (2007-05-04)

Packaging for terminally sterilized medical devices Part 1: Requirements for materials, sterile barrier systems and packaging systems

Specifies the requirements and test methods for materials, preformed sterile barrier systems, sterile barrier systems and packaging systems that are intended to maintain sterility of terminally sterilized medical devices until the point of use.

Ed 1 A4 31p EN PDF 31p EN Gr 11 ICS 11.080.30

ISO 11607-1:2006, idt

SANS 11607-2 (2007) (2007-05-18)

Packaging for terminally sterilized medical devices Part 2: Validation requirements for forming, sealing and assembly processes

Specifies the requirements for development and validation of processes for packaging medical devices that are terminally sterilized. These processes include forming, sealing, and assembly of preformed sterile barrier systems, sterile barrier systems and packaging systems.

Ed 1 A4 18p EN PDF 18p EN Gr 8 ICS 11.080.30

ISO 11607-2:2006, idt

SANS 11660-2 (2007) (2007-05-25)

Cranes - Access, guards and restraints Part 2: Mobile cranes

Specifies criteria for steps, stairways, ladders, walkways, platforms, handrails, handholds, guardrails and entrance openings which permit access to and from the operator, inspection or maintenance platforms on mobile cranes as defined in ISO 4306-2 and parked in accordance with the manufacturer's instruction. It also presents requirements for guards and restraints as related to moving parts.

Ed 1 A4 16p EN PDF 16p EN Gr 8 ICS 53.020.20

ISO 11660-2:1994, idt

SANS 11661 (2007) (2007-05-25)

Mobile cranes - Presentation of rated capacity charts

Specifies a standard presentation or format for mobile crane rated capacities on rated capacity charts. Is applicable to mobile cranes fitted with jibs as defined in ISO 4306-2 and when used in the lifting mode.

Ed 1 A4 13p EN PDF 13p EN Gr 7 ICS 53.020.20

ISO 11661:1998, idt

SANS 11662-1 (2007) (2007-05-25)

Mobile cranes - Experimental determination of crane performance Part 1: Tipping loads and radii

Specifies a test method to determine the maximum capacity of a mobile crane to counterbalance loads applied on its hook block. Is applicable for cranes whose capacity to support loads is based on its static resistance to overturning. The test shall not be used on cranes whose capacity is based on structural strength or on limitations due to available load hoist, jib hoist or jib telescope capability. Applies to all mobile cranes as defined in ISO 4306-2.

Ed 1 A4 12p EN PDF 12p EN Gr 7 ICS 53.020.20

ISO 11662-1:1995, idt

SANS 11724 (2007) (2007-05-25)

Solid mineral fuels - Determination of total fluorine in coal, coke and fly ash

Specifies a method for the determination of total fluorine in coal, coke and fly ash. From measurement of the total fluorine alone, it is not possible to estimate the amount of fluorine released to the environment by utilization of the coal and subsequent disposal of the ash residue.

Ed 1 A4 16p EN PDF 16p EN Gr 8 ICS 75.160.10

ISO 11724:2004, idt

SANS 14557 (2007) (2007-05-25)

Fire-fighting hoses - Rubber and plastics suction hoses and hose assemblies

Gives requirements and test methods for rubber and plastics suction hoses for fire-fighting purposes. Additional requirements for hose assemblies already fitted with couplings are also specified.

Ed 1 A4 25p EN PDF 25p EN Gr 10 ICS 13.220.10; 23.040.70

ISO 14557:2002, idt

SANS 19961 (2007) (2007-05-25)

Cranes - Safety code on mobile cranes

Provides a guide to international standards applicable to mobile cranes - crawler cranes, railway cranes, wheel-mounted cranes and any variations thereof that retain the same fundamental characteristics - and a summary of related provisions. Special adaptations of the general types of machine covered, where applicable, also fall within its scope.

Ed 1 A4 15p EN PDF 15p EN Gr 8 ICS 53.020.20

ISO/TR 19961:2005, idt

SANS 20007 (SABS ECE R 7) (2007) (2007-05-18)

Uniform provisions concerning the approval of front and rear position (side) lamps, stop-lamps and end-outline marker lamps for power-driven vehicles and their trailers

Applies to a) front and rear position (side) lamps and stop lamps for vehicles of categories L, M, N, O and T, and b) end-outline marker lamps for vehicles of categories M, N, O and T.

Ed 3 A4 49p EN PDF 49p EN Gr 12 ICS 43.040.20

ECE R7:2006, idt

SANS 20023 (SABS ECE R 23) (2007) (2007-05-25)

Uniform provisions concerning the approval of reversing lamps for power-driven vehicles and their trailers

Applies to reversing lamps for vehicles of categories M, N, O, and T.

Ed 2 A4 28p EN PDF 28p EN Gr 10 ICS 43.040.20

ECE R23:2003, idt

Am 1, 2007-05-25 Am 2, 2007-05-25 Am 3, 2007-05-25 Am 4, 2007-05-25

Revision of SANS 20023:1992 (SABS ECE R 23)

SANS 20037 (SABS ECE R 37) (2007) (2007-05-25)

Uniform provisions concerning the approval of filament lamps for use in approved lamp units of power-driven vehicles and of their trailers

Applies to filament lamps intended for use in approved lamp units of power-driven vehicles and of their trailers.

Ed 3 A4 164p EN PDF 164p Gr 18 ICS 43.040.20; 29.140
EN

ECE R37:2005, idt

Am 1, 2007-05-25 Am 2, 2007-05-25

Revision of SANS 20037:2002 (SABS ECE R 37)

SANS 20048 (SABS ECE R 48) (2007) (2007-05-18)

Uniform provisions concerning the approval of vehicles with regard to the installation of lighting and light-signalling devices

Applies to the approval of power-driven vehicles intended for use on the road, with or without bodywork, with not less than four wheels and a maximum design speed exceeding 25 km/h, and of their trailers, with the exception of vehicles which run on rails, agricultural or forestry tractors and machinery, and public works vehicles.

Ed 2 A4 91p EN PDF 91p EN Gr 15 ICS 43.040.20

ECE R48:2006, idt

Am 1, 2007-05-18

Revision of SANS 20048:1994 (SABS ECE R 48)

SANS 20050 (SABS ECE R 50) (2007) (2007-05-25)

Uniform provisions concerning the approval of front position lamps, rear position lamps, stop lamps, direction indicators and rear-registration-plate illuminating devices for vehicles of category L

Applies to front position lamps, rear position lamps, stop lamps, direction indicators, and rear-registration-plate illuminating devices for vehicles of category L.

Ed 2 A4 27p EN PDF 27p EN Gr 10 ICS 43.040.20; 43.140

ECE R50:2004, idt

Am 1, 2007-05-25 Am 2, 2007-05-25 Am 3, 2007-05-25

Revision of SANS 20050:1983 (SABS ECE R 50)

SANS 20091 (SABS ECE R 91) (2007) (2007-05-25)

Uniform provisions concerning the approval of side-marker lamps for motor vehicles and their trailers

Applies to side-marker lamps for vehicles of category M, N, O and T.

Ed 2 A4 35p EN PDF 35p EN Gr 11 ICS 43.040.20

ECE R91:2003, idt

Am 1, 2007-05-25 Am 2, 2007-05-25 Am 3, 2007-05-25 Am 4, 2007-05-25

Revision of SANS 20091:1993 (SABS ECE R 91)

SANS 20098 (SABS ECE R 98) (2007) (2007-05-18)

Uniform provisions concerning the approval of motor vehicle headlamps equipped with gas-discharge light sources

Applies to motor vehicle headlamps and motor vehicle distributed lighting systems which may incorporate lenses of glass or plastic material, and which are equipped with gas-discharge light source(s) being fitted in the headlamp or in the remote light-generator of the distributed lighting system.

Ed 2 A4 78p EN PDF 78p EN Gr 14 ICS 43.040.20

ECE R98:2005, idt

Am 1, 2007-05-18

Revision of SANS 20098:1996 (SABS ECE R 98)

SANS 50771-4 (2007) (2007-05-18)

Specification for masonry units Part 4: Autoclaved aerated concrete masonry units

Specifies the characteristics and performance requirements of autoclaved aerated concrete (AAC) masonry units for which the main intended uses are different types of load bearing and non-load bearing applications in all forms of walling including single leaf, cavity, partitions, retaining, basement and general use below ground level, including walling for fire protection, thermal insulation, sound insulation and the fabric of chimneys (excluding chimney flue units). It defines the performance related to e.g. strength, density, dimensional accuracy etc. and provides for the evaluation of conformity of the product to this standard. The marking requirement for products covered by this standard is included.

Ed 1 A4 29p EN PDF 29p EN Gr 10 ICS 91.100.30

EN 771-4:2003, idt

SANS 60079-2 (SABS IEC 60079-2) (2007) (2007-05-04)

Explosive atmospheres Part 2: Equipment protection by pressurized enclosures <<p>>

Contains the specific requirements for the construction and testing of electrical apparatus with pressurized enclosures, of type of protection "p", intended for use in explosive gas atmospheres. It specifies requirements for pressurized enclosures containing a limited release of flammable substances. This standard supplements and modifies the general requirements of IEC 60079-0.

Ed 3 A4 59p EN PDF 59p EN Gr 13 ICS 29.260.20

IEC 60079-2:2007, idt

Revision of SANS 60079-2:2001 (SABS IEC 60079-2)

SANS 60079-7 (SABS IEC 60079-7) (2007) (2007-05-18)

Explosive atmospheres Part 7: Equipment protection by increased safety "e"

Specifies the requirements for the design, construction, testing and marking of electrical apparatus with type of protection increased safety "e" intended for use in explosive gas atmospheres. This standard applies to electrical apparatus where the rated voltage does not exceed 11kV r.m.s. a.c or d.c. Additional measures are applied to ensure that the apparatus does not produce arcs, sparks, or excessive temperatures in normal operation or under specified abnormal conditions.

Ed 3 A4 83p EN PDF 83p EN Gr 15 ICS 29.260.20

IEC 60079-7:2006, idt

Revision of SANS 60079-7:2003 (SABS IEC 60079-7)

SANS 60079-11 (SABS IEC 60079-11) (2007) (2007-05-18)

Explosive atmospheres Part 11: Equipment protection by intrinsic safety "i"

Specifies the construction and testing of intrinsically safe apparatus intended for use in an explosive gas atmosphere and for associated apparatus, which is intended for connection to intrinsically safe circuits which enter such atmospheres.

Ed 3 A4 121p EN PDF 121p EN Gr 16 ICS 29.260.20
EN

IEC 60079-11:2006, idt

Revision of SANS 60079-11:1999 (SABS IEC 60079-11)

SANS 60079-19 (SABS IEC 60079-19) (2007) (2007-05-18)

Explosive atmospheres Part 19: Equipment repair, overhaul and reclamation

Gives instructions, principally of a technical nature, on the repair, overhaul, reclamation and modification of a certified equipment designed for use in explosive atmospheres;

It is not applicable to maintenance, other than when repair and overhaul cannot be disassociated from maintenance, neither does it give advice on cable entry systems which may require renewal when the equipment is re-installed;

It is not applicable to type of protection 'm';

Assumes that good engineering practices are adopted throughout

Ed 2 A4 57p EN PDF 57p EN Gr 13 ICS 29.260.20

IEC 60079-19:2006, idt

Revision of SANS 60079-19:1993 (SABS IEC 60079-19)

SANS 60079-26 (2007) (2007-05-04)

Explosive atmospheres Part 26: Equipment with equipment protection level (EPL) Ga

Specifies the particular requirements for construction, test and marking for electrical equipment that provides equipment protection level (EPL) Ga. This electrical equipment, within the operational parameters specified by the manufacturer, ensures a very high level of protection that includes rare faults related to the equipment or two faults occurring independently of each other.

Ed 2 A4 24p EN PDF 24p EN Gr 10 ICS 29.260.20

IEC 60079-26:2006, idt

SANS 60086-2 (SABS IEC 60086-2) (2007) (2007-05-25)

Primary batteries Part 2: Physical and electrical specifications

Applies to primary batteries based on standardized electrochemical systems. Specifies the physical dimensions, the discharge test conditions and discharge performance requirements.

Ed 5 A4 58p EN PDF 58p EN Gr 13 ICS 29.220.10

IEC 60086-2:2006, idt

Revision of SANS 60086-2:2001 (SABS IEC 60086-2)

SANS 60884-2-2 (SABS IEC 60884-2-2) (2007) (2007-05-18)

Plugs and socket-outlets for household and similar purposes Part 2-2: Particular requirements for socket-outlets for appliances

Applies to socket-outlets for a.c. only, with or without earthing contact, with a rated voltage not exceeding 250 V and a rated current not exceeding 16 A, which are integrated or intended to be incorporated in or fixed to appliances.

Ed 2 A4 12p EN PDF 12p EN Gr 7 ICS 29.120.30

IEC 60884-2-2:2006, idt

Revision of SANS 60884-2-2:1989 (SABS IEC 60884-2-2)

SANS 60884-2-3 (SABS IEC 60884-2-3) (2007) (2007-05-18)

Plugs and socket-outlets for household and similar purposes Part 2-3: Particular requirements for switched socket-outlets without interlock for fixed installations

Applies to switched socket-outlets without interlock, for fixed installation, for a.c. only with or without earthing contact, with rated voltage not exceeding 440 V and rated current not exceeding 32 A, intended for household and similar purposes, either indoors or outdoors

Ed 2 A4 16p EN PDF 16p EN Gr 8 ICS 29.120.30

IEC 60884-2-3:2006, idt

Revision of SANS 60884-2-3:1989 (SABS IEC 60884-2-3)

SANS 60947-5-8 (2007) (2007-05-18)

Low-voltage switchgear and controlgear Part 5-8: Control circuit devices and switching elements - Three position enabling switches

Specifies requirements for three position enabling switches. These switches are used as components of enabling devices to provide signals that, a) when activated, allow machine operation to be initiated by a separate start control and b) when de-activated, i) initiate a stop function, and ii) prevent initiation of machine operation

Ed 1 A4 32p EN PDF 32p EN Gr 9 ICS 29.130.20

IEC 60947-5-8:2006, idt

SANS 61156-3 (2007) (2007-05-18)

Multicore and symmetrical pair/quad cables for digital communications Part 3: Work area wiring - Sectional specification

Covers individually unscreened pairs in cables for work area wiring. Cables may be provided with a common screen over the cable core. The cables are intended to operate with voltages and currents normally adopted for communication systems.

Ed 2 A4 18p EN PDF 18p EN Gr 8 ICS 33.120.10

IEC 61156-3:2003, idt

SANS 61347-2-7 (SABS IEC 61347-2-7) (2007) (2007-05-18)

Lamp controlgear Part 2-7: Particular requirements for d.c. supplied electronic ballasts for emergency lighting

Specifies particular safety requirements for d.c. supplied electronic ballasts for maintained and non-maintained emergency lighting purposes.

Ed 2 A4 23p EN PDF 23p EN Gr 10 ICS 29.140.99

IEC 61347-2-7:2006, idt

Revision of SANS 61347-2-7:2000 (SABS IEC 61347-2-7)

SANS 62271-101 (2007) (2007-05-18)

High-voltage switchgear and controlgear Part 101: Synthetic testing

Provides the general rules for testing a.c. circuit-breakers, for making and breaking capacities by synthetic methods

Ed 1 A4 142p EN PDF 142p EN Gr 17 ICS 29.130.10

IEC 62271-101:2006, idt

SANS 62271-201 (2007) (2007-05-25)

High-voltage switchgear and controlgear Part 201: AC insulation-enclosed switchgear and controlgear for rated voltages above 1kV and up to and including 52 kV

Specifies requirements for factory-assembled insulation-enclosed switchgear and controlgear for alternating current of rated voltages above 1 kV and up to and including 52 kV for indoor installation and for service frequencies up to and including 60 Hz

Ed 1 A4 85p EN PDF 85p EN Gr 15 ICS 29.130.10

IEC 62271-201:2006, idt

SANS 300328 (2007) (2007-05-18)

Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive

Applies to Wide Band Data Transmission equipment which is used in wireless local area networks. Also applies to ad hoc networking where devices communicate directly with each other, without the use of a wireless infrastructure.

Ed 2 A4 43p EN PDF 43p EN Gr 12 ICS 33.060.20; 33.100.01

ETSI EN 300328:2006, idt

ARP 068 (2007) (2007-05-18)

Inspection and non-destructive testing of previously-installed OEM airbag inflator modules in motor vehicles

Gives requirements for inspection and testing of previously-installed original equipment manufacturer airbag inflator modules by accredited test laboratories. The requirements in this recommended practice are strictly enforced in order to deter the proliferation of airbags that are obtained through illegal means or that are not inspected or tested (or both) in accordance with the requirements of this recommended practice. Previously-installed airbags that have been removed from vehicles, not inspected and tested in accordance with the requirements of this recommended practice should not be reinstalled and offered for sale or sold (or both).

Ed 1 A4 14p EN PDF 14p EN Gr 6 ICS 43.040.80

The dates in brackets following the document number are the year of publication and the approval date of the document.
The date following the amendment number is the approval date of the amendment.

SANS 221 (SABS CISPR 21) (1999) (2000-07-21)**Interference to mobile radiocommunications in the presence of impulsive noise - Methods of judging degradation and measures to improve performance**

Provides methods of judging the degradation of radio communication in the presence of impulsive noise and recommends ways of improving radio performance.

Ed 1 A4 11p EN PDF 11p EN Gr 8 ICS 33.100.99

CISPR 21:1999, idt

Am 1(National), 2007-05-25

SANS 225 (2005) (2005-04-15)**Radio disturbance characteristics for the protection of receivers used on board vehicles, boats, and on devices - Limits and methods of measurement**

Contains limits and procedures for the measurement of radio disturbances in the frequency range of 150 kHz to 1 000 MHz. Applies to any electronic/electrical component intended for use in vehicles and devices.

Ed 1 A4 64p EN PDF 64p EN Gr 14 ICS 33.100.10

CISPR 25:2002, idt

IS 1, 2007-05-25

SANS 527-1 (SABS ISO 527-1) (1993) (2000-07-28)**Plastics - Determination of tensile properties Part 1: General principles**

Specifies the general principles for determining the tensile properties of plastics and plastic composites under defined conditions. Several different types of test specimen are defined to suit different types of material which are detailed in subsequent parts of ISO 527 (published in South Africa as SANS 527). The methods are used to investigate the tensile behaviour of the test specimens and for determining the tensile strength, tensile modulus and other aspects of the tensile stress/strain relationship under the conditions defined.

Ed 1 A4 16p EN PDF 16p EN Gr 9 ICS 83.080.01

ISO 527-1:1993, idt

Am 1, 2007-05-18 Am 1(National), 2007-05-18

SANS 607 (2007) (2007-05-25)**General requirements for the competence of reference material producers**

General requirements in accordance with which a reference material producer has to demonstrate that it operates, if it is to be recognized as competent to carry out the production of reference materials. Reference material producers in the development and implementation of their quality systems, and by accreditation bodies, certification bodies and others concerned with assessing the competence of reference material producers. Quality system requirements in accordance with which reference materials shall be produced. It is intended to be used as part of a reference material producer's general quality assurance (QA) producers.

Ed 1 A4 31p EN DSS 31p EN Gr 11 ICS 03.120.10; 71.040.30

ISO Guide 34:2000, idt

Cor 1, 2007-05-25

SANS 4524-4 (SABS ISO 4524-4) (1985) (1993-11-01)**Metallic coatings - Test methods for electrodeposited gold and gold alloy coatings Part 4: Determination of gold content**

Specifies methods for determining the gold content of electrodeposited gold and gold alloy coatings for engineering, and decorative and protective purposes.

Ed 1 A4 7p EN PDF 7p EN Gr 7 ICS 71.040.40; 77.120.01

ISO 4524-4:1985, idt

Am 1(National), 2007-05-18

SANS 4751 (SABS ISO 4751) (1984) (2000-07-28)**Copper and copper alloys - Determination of tin content - Spectrometric method**

Specifies a spectrometric method for the determination of tin in copper and copper alloys. It is applicable to the determination of tin contents between 0,005 and 0,5 % (m/m) in all types of copper and copper alloys listed in international standards.

Ed 1 A4 9p EN PDF 9p EN Gr 7 ICS 77.040.30; 77.120.30

ISO 4751:1984, idt

Am 1(National), 2007-05-18

SANS 5182 (SABS ISO 5182) (1991) (1994-02-07)**Welding - Materials for resistance welding electrodes and ancillary equipment**

Specifies the characteristics of materials for resistance welding electrodes and ancillary equipment which are used for carrying current and transmitting force to the work.

Ed 1 A4 14p EN PDF 14p EN Gr 8 ICS 25.160.20

ISO 5182:1991, idt

Am 1(National), 2007-05-18

Standards - Amendments (not consolidated)

The dates in brackets following the document number are the year of publication and the approval date of the document.
The date following the amendment number is the approval date of the amendment.

SANS 5184 (SABS ISO 5184) (1979) (1994-02-14)

Straight resistance spot welding electrodes

Lays down the dimensions and tolerances of straight resistance spot welding electrodes.

Ed 1 A4 7p EN PDF 7p EN Gr 7 ICS 25.160.20

ISO 5184:1979, idt

Am 1(National), 2007-05-18

SANS 5821 (SABS ISO 5821) (1979) (1994-02-14)

Resistance spot welding electrode caps

Lays down the dimensions and tolerances of resistance spot welding electrode caps, where a female taper is used to fix the cap to an electrode adaptor.

Ed 1 A4 6p EN PDF 6p EN Gr 7 ICS 25.160.20

ISO 5821:1979, idt

Am 1(National), 2007-05-18

SANS 6891 (SABS ISO 6891) (1983) (2002-08-02)

Timber structures - Joints made with mechanical fasteners - General principles for the determination of strength and deformation characteristics

Lays down general principles for the determination of the strength and deformation (slip) characteristics of joints made with mechanical fasteners.

Ed 1 A4 8p EN PDF 8p EN Gr 7 ICS 91.080.20

ISO 6891:1983, idt

Am 1(National), 2007-05-18

SANS 6946 (2007) (2007-05-18)

Building components and building elements - Thermal resistance and thermal transmittance - Calculation method

Gives the method of calculation of the thermal resistance and thermal transmittance of building components and building elements, excluding doors, windows and other glazed units and components through which air is designed to permeate.

Ed 1 A4 30p EN PDF 30p EN Gr 10 ICS 91.120.10

ISO 6946:1996, idt

Am 1, 2007-05-18

SANS 9455-12 (SABS ISO 9455-12) (1992) (1999-11-12)

Soft soldering fluxes - Test methods Part 12: Steel tube corrosion test

Specifies a qualitative method for assessing the corrosive properties of flux residues and flux vapours towards mild steel. Applicable to all fluxes, although primarily intended to be used for fluxes of type 1, as defined in ISO 9454-1 (published in South - Africa as an identical adoption under designation SANS 9454-1).

Ed 1 A4 9p EN PDF 9p EN Gr 7 ICS 25.160.50

ISO 9455-12:1992, idt

Am 1(National), 2007-05-25

SANS 9455-13 (SABS ISO 9455-13) (1996) (1999-11-12)

Soft soldering fluxes - Test methods Part 13: Determination of flux splattering

Describes a method for estimating the tendency of a flux to spatter in use. A qualitative (comparative) method and is only applicable to liquid fluxes, as defined in ISO 9454-1V (published in South - Africa as an identical adoption under designation SANS 9454-1).

Ed 1 A4 9p EN PDF 9p EN Gr 7 ICS 25.160.50

ISO 9455-13:1996, idt

Am 1(National), 2007-05-25

SANS 9455-14 (SABS ISO 9455-14) (1991) (1999-11-12)

Soft soldering fluxes - Test methods Part 14: Assessment of tackiness of flux residues

Specifies a qualitative method for the assessment of the tackiness of the residues of a soft soldering flux after a soldering process. Applicable to all fluxes, solder pastes and flux cored solder wires, particularly appropriate for application where flux residues are left in situ on electrical and electronic equipment

Ed 1 A4 9p EN PDF 9p EN Gr 7 ICS 25.160.50

ISO 9455-14:1991, idt

Am 1(National), 2007-05-25

The dates in brackets following the document number are the year of publication and the approval date of the document.
The date following the amendment number is the approval date of the amendment.

SANS 9455-15 (SABS ISO 9455-15) (1996) (1999-11-12)

Soft soldering fluxes - Test methods Part 15: Copper corrosion test

Specifies a qualitative method for the determination of the corrosive properties of flux residues on a copper substrate, when subjected to controlled environmental conditions. Applicable to type 1 fluxes, as defined in ISO 9454-1 (published in South-Africa as an identical adoption under designation SANS 9454-1).

Ed 1 A4 16p EN PDF 16p EN Gr 11 ICS 25.160.50

ISO 9455-15:1996, idt

Am 1(National), 2007-05-25

SANS 9455-16 (SABS ISO 9455-16) (1998) (1999-11-12)

Soft soldering fluxes - Test methods Part 16: Flux efficacy tests, wetting balance method

Specifies a method for the assessment of the efficacy of a soft soldering flux, known as the wetting balance method. Gives a qualitative assessment of the comparative efficacy of two fluxes based on their capacity to promote wetting of a metal surface by liquid solder.

Applicable to all flux types in liquid form classified in ISO 9454-1 (published in South-Africa as an identical adoption under designation SANS 9454-1).

Ed 1 A4 23p EN PDF 23p EN Gr 11 ICS 25.160.50

ISO 9455-16:1998, idt

Am 1(National), 2007-05-25

SANS 20007 (SABS ECE R 7) (2007) (2007-05-18)

Uniform provisions concerning the approval of front and rear position (side) lamps, stop-lamps and end-outline marker lamps for power-driven vehicles and their trailers

Applies to a) front and rear position (side) lamps and stop lamps for vehicles of categories L, M, N, O and T, and b) end-outline marker lamps for vehicles of categories M, N, O and T.

Ed 3 A4 49p EN PDF 49p EN Gr 12 ICS 43.040.20

ECE R7:2006, idt

Am 1, 2007-05-18

SANS 20023 (SABS ECE R 23) (2007) (2007-05-25)

Uniform provisions concerning the approval of reversing lamps for power-driven vehicles and their trailers

Applies to reversing lamps for vehicles of categories M, N, O, and T.

Ed 2 A4 28p EN PDF 28p EN Gr 10 ICS 43.040.20

ECE R23:2003, idt

Am 1, 2007-05-25 Am 2, 2007-05-25 Am 3, 2007-05-25 Am 4, 2007-05-25

SANS 20037 (SABS ECE R 37) (2007) (2007-05-25)

Uniform provisions concerning the approval of filament lamps for use in approved lamp units of power-driven vehicles and of their trailers

Applies to filament lamps intended for use in approved lamp units of power-driven vehicles and of their trailers.

Ed 3 A4 164p EN PDF 164p EN Gr 18 ICS 43.040.20; 29.140

ECE R37:2005, idt

Am 1, 2007-05-25 Am 2, 2007-05-25

SANS 20048 (SABS ECE R 48) (2007) (2007-05-18)

Uniform provisions concerning the approval of vehicles with regard to the installation of lighting and light-signalling devices

Applies to the approval of power-driven vehicles intended for use on the road, with or without bodywork, with not less than four wheels and a maximum design speed exceeding 25 km/h, and of their trailers, with the exception of vehicles which run on rails, agricultural or forestry tractors and machinery, and public works vehicles.

Ed 2 A4 91p EN PDF 91p EN Gr 15 ICS 43.040.20

ECE R48:2006, idt

Am 1, 2007-05-18

SANS 20050 (SABS ECE R 50) (2007) (2007-05-25)

Uniform provisions concerning the approval of front position lamps, rear position lamps, stop lamps, direction indicators and rear-registration-plate illuminating devices for vehicles of category L

Applies to front position lamps, rear position lamps, stop lamps, direction indicators, and rear-registration-plate illuminating devices for vehicles of category L.

Ed 2 A4 27p EN PDF 27p EN Gr 10 ICS 43.040.20; 43.140

ECE R50:2004, idt

Am 1, 2007-05-25 Am 2, 2007-05-25 Am 3, 2007-05-25

The dates in brackets following the document number are the year of publication and the approval date of the document.
The date following the amendment number is the approval date of the amendment.

SANS 20074 (SABS ECE R 74) (2000) (2002-06-14)**Uniform provisions concerning the approval of category L1 vehicles with regard to the installation of lighting and light-signalling devices**

Applies to the approval of two-wheeled power-driven vehicles without side-car, having a maximum design speed not exceeding 50 km/h and/or a cylinder capacity not exceeding 50 cubic centimetres or equivalent performance.

Ed 1 A4 35p EN PDF 35p EN Gr 12 ICS 43.040.20; 43.140
Loose-leaf

ECE R74:2000, idt

Am 1, 2007-05-18 Cor 1 on Am 1, 2007-05-18 Am 1(National), 2007-05-18 Am 2, 2007-05-18

SANS 20091 (SABS ECE R 91) (2007) (2007-05-25)**Uniform provisions concerning the approval of side-marker lamps for motor vehicles and their trailers**

Applies to side-marker lamps for vehicles of category M, N, O and T.

Ed 2 A4 35p EN PDF 35p EN Gr 11 ICS 43.040.20

ECE R91:2003, idt

Am 1, 2007-05-25 Am 2, 2007-05-25 Am 3, 2007-05-25 Am 4, 2007-05-25

SANS 20098 (SABS ECE R 98) (2007) (2007-05-18)**Uniform provisions concerning the approval of motor vehicle headlamps equipped with gas-discharge light sources**

Applies to motor vehicle headlamps and motor vehicle distributed lighting systems which may incorporate lenses of glass or plastic material, and which are equipped with gas-discharge light source(s) being fitted in the headlamp or in the remote light-generator of the distributed lighting system.

Ed 2 A4 78p EN PDF 78p EN Gr 14 ICS 43.040.20

ECE R98:2005, idt

Am 1, 2007-05-18

SANS 50295-2 (SABS EN 295-2) (1991) (1997-01-27)**Vitrified clay pipes and fittings and pipe joints for drains and sewers Part 2: Quality control and sampling**

Specifies requirements for manufacturer's internal quality control, third party assessment and inspection.

Ed 1 A4 17p EN PDF 17p EN Gr 9 ICS 23.040.50; 91.140.80

EN 295-2:1991, idt

Am 1(National), 2007-05-18 Am 1, 2007-05-18

SANS 50771-4 (2007) (2007-05-18)**Specification for masonry units Part 4: Autoclaved aerated concrete masonry units**

Specifies the characteristics and performance requirements of autoclaved aerated concrete (AAC) masonry units for which the main intended uses are different types of load bearing and non-load bearing applications in all forms of walling including single leaf, cavity, partitions, retaining, basement and general use below ground level, including walling for fire protection, thermal insulation, sound insulation and the fabric of chimneys (excluding chimney flue units). It defines the performance related to e.g. strength, density, dimensional accuracy etc. and provides for the evaluation of conformity of the product to this standard. The marking requirement for products covered by this standard is included.

Ed 1 A4 29p EN PDF 29p EN Gr 10 ICS 91.100.30

EN 771-4:2003, idt

Am 1, 2007-05-18

SANS 60120 (SABS IEC 60120) (1984) (1993-06-07)**Dimensions of ball and socket couplings of string insulator units**

Applies to string insulator units of the cap and pin and long rod types and their associated metal fittings.

Ed 1 A4 30p EN PDF 30p EN Gr 12 ICS 29.080.10

IEC 60120:1984, idt

Am 1(National), 2007-05-25

SANS 60273 (SABS IEC 60273) (1990) (1993-05-12)**Characteristics of indoor and outdoor post insulators for systems with nominal voltages greater than 1 000 V**

Applies to post insulators and post insulator units of ceramic material or glass intended for indoor or outdoor service, and to post insulators of organic material intended for indoor service in electrical installations or equipment operating on alternating current systems with a nominal voltage greater than 1 000 V and a frequency not greater than 100 Hz. May also be regarded as a provisional standard for insulators for use on direct current systems.

Ed 1 A4 43p EN PDF 43p EN Gr 13 ICS 29.080.10

IEC 60273:1990, idt

Am 1(National), 2007-05-25

The dates in brackets following the document number are the year of publication and the approval date of the document.
The date following the amendment number is the approval date of the amendment.

SANS 60305 (SABS IEC 60305) (1995) (1996-11-04)

Insulators for overhead lines with a nominal voltage above 1 000 V - Ceramic or glass insulator units for a.c. systems - Characteristics of insulator units of the cap and pin type

Applies to string insulator units of the cap and pin type with insulating parts of ceramic material or glass, intended for a.c. overhead lines with a nominal voltage greater than 1 000 V and a frequency not greater than 100 Hz. Also applies to insulators of similar design used in substations.

Ed 2 A4 9p EN PDF 9p EN Gr 7 ICS 29.080.10

IEC 60305:1995, idt

Am 1(National), 2007-05-25

SANS 60320-2-1 (SABS IEC 60320-2-1) (2000) (2001-11-30)

Appliance couplers for household and similar general purposes Part 2-1: Sewing machine couplers

Is applicable to special purpose appliance couplers for household sewing machines. Sewing machine couplers are for a.c. only and have a rated voltage not exceeding 250 V and a rated current not exceeding 2,5 A.

Ed 1 A4 15p EN PDF 15p EN Gr 9 ICS 29.120.30

IEC 60320-2-1:2000, idt

Am 1(National), 2007-05-25

SANS 60383-1 (SABS IEC 60383-1) (1993) (1993-08-23)

Insulators for overhead lines with a nominal voltage above 1 000 V Part 1: Ceramic or glass insulator units for a.c. systems - Definitions, test methods and acceptance criteria

Applies to insulators of ceramic material or glass for use on a.c. overhead power lines and overhead traction lines with a nominal voltage exceeding 1 000 V and a frequency not exceeding 100 Hz.

Ed 1 A4 59p EN PDF 59p EN Gr 14 ICS 29.080.10

IEC 60383-1:1993, idt

Am 3(National), 2007-05-25

SANS 60598-2-4 (SABS IEC 60598-2-4) (1997) (1998-03-16)

Luminaires Part 2: Particular requirements Section 4: Portable general purpose luminaires

Specifies requirements for portable general purpose luminaires, other than handlamps, for use with tungsten filament, tubular fluorescent and other discharge lamps on supply voltages not exceeding 250 V.

Ed 1 A4 10p EN PDF 10p EN Gr 7 ICS 29.140.40

IEC 60598-2-4:1997, idt

Am 2(National), 2007-05-25

SANS 60598-2-7 (SABS IEC 60598-2-7) (1982) (2000-03-10)

Luminaires Part 2: Particular requirements Section 7: Portable luminaires for garden use

Specifies requirements for portable pedestal luminaires for use in places such as gardens and for portable luminaires for use in places such as flower beds, for use with tungsten filament, tubular fluorescent and other discharge lamps on supply voltages not exceeding 250 V.

Ed 1 A4 16p EN PDF 16p EN Gr 9 ICS 29.140.40

IEC 60598-2-7:1982, idt

Am 1(National), 2007-05-25

SANS 60815 (SABS IEC 60815) (1986) (1993-05-12)

Guide for the selection of insulators in respect of polluted conditions

Mainly applicable to three-phase systems up to 525 kV (phase-to-phase).

Ed 1 A4 24p EN PDF 24p EN Gr 10 ICS 29.080.10

IEC 60815:1986, idt

Am 1(National), 2007-05-25

SANS 61000-1-1 (SABS IEC 61000-1-1) (1992) (1994-09-19)

Electromagnetic compatibility (EMC) Part 1: General Section 1: Application and interpretation of fundamental definitions and terms

Describes and interprets various terms considered to be of basic importance to concepts and practical application in the design and evaluation of electromagnetically compatible systems.

Ed 1 A4 32p EN PDF 32p EN Gr 12 ICS 29.020

IEC 61000-1-1:1992, idt

Am 1(National), 2007-05-25

The dates in brackets following the document number are the year of publication and the approval date of the document.
The date following the amendment number is the approval date of the amendment.

SANS 61058-2-5 (SABS IEC 61058-2-5) (1994) (1996-01-29)

Switches for appliances Part 2-5: Particular requirements for change-over selectors

Applies to change-over selectors for appliances actuated by hand, by foot, or by other human activity for use in, on, or with, appliances and other equipment for household and similar purposes, with a rated voltage not exceeding 440 V and a rated current not exceeding 63 A.

Ed 1 A4 12p EN PDF 12p EN Gr 8 ICS 29.120.40

IEC 61058-2-5:1994, idt

Am 1(National), 2007-05-25

SANS 61084-1 (SABS IEC 61084-1) (1991) (1995-07-17)

Cable trunking and ducting systems for electrical installations Part 1: General requirements

Specifies requirements for cable trunking and cable ducting systems intended for the accommodation, and where necessary for the segregation, of conductors, cables or cords and/or other electrical equipment in electrical installations.

Ed 1 A4 32p EN PDF 32p EN Gr 12 ICS 29.120.10

IEC 61084-1:1991, idt

Am 3(National), 2007-05-25

SANS 61084-2-1 (SABS IEC 61084-2-1) (1996) (1996-11-18)

Cable trunking and ducting systems for electrical installations Part 2: Particular requirements Section 1: Cable trunking and ducting systems intended for mounting on walls or ceilings

Specifies requirements for cable trunking and ducting systems intended for mounting on walls or ceilings. The cable trunking and ducting systems accommodate and, where necessary, segregate conductors, cables or cords and other electrical equipment.

Ed 1 A4 14p EN PDF 14p EN Gr 8 ICS 29.120.10; 91.140.50

IEC 61084-2-1:1996, idt

Am 2(National), 2007-05-25

SANS 61084-2-4 (SABS IEC 61084-2-4) (1996) (1997-04-21)

Cable trunking and ducting systems for electrical installations Part 2: Particular requirements Section 4: Service poles

Specifies requirements for service poles intended for the accommodation, and where necessary for the segregation, of conductors, cables or cords and/or other electrical equipment in electrical installations. Specifies requirements for service poles intended for either re-locatable or fixed mounting.

Ed 1 A4 15p EN PDF 15p EN Gr 10 ICS 29.120.10; 29.240.99

IEC 61084-2-4:1996, idt

Am 1(National), 2007-05-25

SANS 61558-2-15 (SABS IEC 61558-2-15) (1999) (1999-11-19)

Safety of power transformers, power supply units and similar Part 2-15: Particular requirements for isolating transformers for the supply of medical locations

Applies to stationary, single-phase or polyphase, air-cooled (natural or forced) isolating transformers for the supply of group II medical locations, designed to be permanently connected to the fixed wiring of IT supply system, having a rated supply voltage not exceeding 1 000 V a.c. and rated frequency not exceeding 500 Hz. The rated output shall not be less than 3 kVA and shall not exceed 10 kVA.

Ed 1 A4 21p EN PDF 21p EN Gr 10 ICS 29.180

IEC 61558-2-15:1999, idt

Am 1(National), 2007-05-18

SANS 61558-2-19 (SABS IEC 61558-2-19) (2000) (2000-11-17)

Safety of power transformers, power supply units and similar devices Part 2-19: Particular requirements for perturbation attenuation transformers

Applies to stationary or portable, single-phase or poly-phase, air-cooled (natural or forced), independent or associated, isolating or safety isolating transformers, having a rated supply voltage not exceeding 1 000 V a.c., a rated frequency not exceeding 500 Hz, a rated output not exceeding 10 kVA. Perturbation attenuation transformers are intended to the supply of office machines and the like and have a mid-point lead out in the output circuit in order to attenuate mains borne disturbances.

Ed 1 A4 17p EN PDF 17p EN Gr 9 ICS 29.180

IEC 61558-2-19:2000, idt

Am 1(National), 2007-05-25

SANS 221 (SABS CISPR 21) (1999) (2007-05-25)**Interference to mobile radiocommunications in the presence of impulsive noise - Methods of judging degradation and measures to improve performance**

Provides methods of judging the degradation of radio communication in the presence of impulsive noise and recommends ways of improving radio performance.

Ed 1 A4 11p EN PDF 11p EN Gr 8 ICS 33.100.99

CISPR 21:1999, idt

Am 1(National), 2007-05-25

SANS 225 (2005) (2007-05-25)**Radio disturbance characteristics for the protection of receivers used on board vehicles, boats, and on devices - Limits and methods of measurement**

Contains limits and procedures for the measurement of radio disturbances in the frequency range of 150 kHz to 1 000 MHz. Applies to any electronic/electrical component intended for use in vehicles and devices.

Ed 1 A4 64p EN PDF 64p EN Gr 14 ICS 33.100.10

CISPR 25:2002, idt

SANS 527-1 (SABS ISO 527-1) (1993) (2007-05-18)**Plastics - Determination of tensile properties Part 1: General principles**

Specifies the general principles for determining the tensile properties of plastics and plastic composites under defined conditions. Several different types of test specimen are defined to suit different types of material which are detailed in subsequent parts of ISO 527 (published in South Africa as SANS 527). The methods are used to investigate the tensile behaviour of the test specimens and for determining the tensile strength, tensile modulus and other aspects of the tensile stress/strain relationship under the conditions defined.

Ed 1 A4 16p EN PDF 16p EN Gr 9 ICS 83.080.01

ISO 527-1:1993, idt

Cor 1, 2000-07-28 Am 1, 2007-05-18 Am 1(National), 2007-05-18

SANS 4524-4 (SABS ISO 4524-4) (1985) (2007-05-18)**Metallic coatings - Test methods for electrodeposited gold and gold alloy coatings Part 4: Determination of gold content**

Specifies methods for determining the gold content of electrodeposited gold and gold alloy coatings for engineering, and decorative and protective purposes.

Ed 1 A4 7p EN PDF 7p EN Gr 7 ICS 71.040.40; 77.120.01

ISO 4524-4:1985, idt

Am 1(National), 2007-05-18

SANS 4751 (SABS ISO 4751) (1984) (2007-05-18)**Copper and copper alloys - Determination of tin content - Spectrometric method**

Specifies a spectrometric method for the determination of tin in copper and copper alloys. It is applicable to the determination of tin contents between 0,005 and 0,5 % (m/m) in all types of copper and copper alloys listed in international standards.

Ed 1 A4 9p EN PDF 9p EN Gr 7 ICS 77.040.30; 77.120.30

ISO 4751:1984, idt

Am 1(National), 2007-05-18

SANS 5182 (SABS ISO 5182) (1991) (2007-05-18)**Welding - Materials for resistance welding electrodes and ancillary equipment**

Specifies the characteristics of materials for resistance welding electrodes and ancillary equipment which are used for carrying current and transmitting force to the work.

Ed 1 A4 14p EN PDF 14p EN Gr 8 ICS 25.160.20

ISO 5182:1991, idt

Am 1(National), 2007-05-18

Revision of SANS 5182:1991 (SABS ISO 5182)

SANS 5184 (SABS ISO 5184) (1979) (2007-05-18)**Straight resistance spot welding electrodes**

Lays down the dimensions and tolerances of straight resistance spot welding electrodes.

Ed 1 A4 7p EN PDF 7p EN Gr 7 ICS 25.160.20

ISO 5184:1979, idt

Am 1(National), 2007-05-18

SANS 5821 (SABS ISO 5821) (1979) (2007-05-18)**Resistance spot welding electrode caps**

Lays down the dimensions and tolerances of resistance spot welding electrode caps, where a female taper is used to fix the cap to an electrode adaptor.

Ed 1 A4 6p EN PDF 6p EN Gr 7 ICS 25.160.20

ISO 5821:1979, idt

Am 1(National), 2007-05-18

Revision of SANS 5821:1979 (SABS ISO 5821)

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

SANS 6891 (SABS ISO 6891) (1983) (2007-05-18)

Timber structures - Joints made with mechanical fasteners - General principles for the determination of strength and deformation characteristics

Lays down general principles for the determination of the strength and deformation (slip) characteristics of joints made with mechanical fasteners.

Ed 1 A4 8p EN PDF 8p EN Gr 7 ICS 91.080.20

ISO 6891:1983, idt

Am 1(National), 2007-05-18

Revision of SANS 6891:1983 (SABS ISO 6891)

SANS 9455-12 (SABS ISO 9455-12) (1992) (2007-05-25)

Soft soldering fluxes - Test methods Part 12: Steel tube corrosion test

Specifies a qualitative method for assessing the corrosive properties of flux residues and flux vapours towards mild steel. Applicable to all fluxes, although primarily intended to be used for fluxes of type 1, as defined in ISO 9454-1 (published in South - Africa as an identical adoption under designation SANS 9454-1).

Ed 1 A4 9p EN PDF 9p EN Gr 7 ICS 25.160.50

ISO 9455-12:1992, idt

Am 1(National), 2007-05-25

Revision of SANS 9455-12:1992 (SABS ISO 9455-12)

SANS 9455-13 (SABS ISO 9455-13) (1996) (2007-05-25)

Soft soldering fluxes - Test methods Part 13: Determination of flux splattering

Describes a method for estimating the tendency of a flux to spatter in use. A qualitative (comparative) method and is only applicable to liquid fluxes, as defined in ISO 9454-1V (published in South - Africa as an identical adoption under designation SANS 9454-1).

Ed 1 A4 9p EN PDF 9p EN Gr 7 ICS 25.160.50

ISO 9455-13:1996, idt

Am 1(National), 2007-05-25

SANS 9455-14 (SABS ISO 9455-14) (1991) (2007-05-25)

Soft soldering fluxes - Test methods Part 14: Assessment of tackiness of flux residues

Specifies a qualitative method for the assessment of the tackiness of the residues of a soft soldering flux after a soldering process. Applicable to all fluxes, solder pastes and flux cored solder wires, particularly appropriate for application where flux residues are left in situ on electrical and electronic equipment

Ed 1 A4 9p EN PDF 9p EN Gr 7 ICS 25.160.50

ISO 9455-14:1991, idt

Am 1(National), 2007-05-25

SANS 9455-15 (SABS ISO 9455-15) (1996) (2007-05-25)

Soft soldering fluxes - Test methods Part 15: Copper corrosion test

Specifies a qualitative method for the determination of the corrosive properties of flux residues on a copper substrate, when subjected to controlled environmental conditions. Applicable to type 1 fluxes, as defined in ISO 9454-1 (published in South-Africa as an identical adoption under designation SANS 9454-1).

Ed 1 A4 16p EN PDF 16p EN Gr 11 ICS 25.160.50

ISO 9455-15:1996, idt

Am 1(National), 2007-05-25

SANS 9455-16 (SABS ISO 9455-16) (1998) (2007-05-25)

Soft soldering fluxes - Test methods Part 16: Flux efficacy tests, wetting balance method

Specifies a method for the assessment of the efficacy of a soft soldering flux, known as the wetting balance method. Gives a qualitative assessment of the comparative efficacy of two fluxes based on their capacity to promote wetting of a metal surface by liquid solder.

Applicable to all flux types in liquid form classified in ISO 9454-1 (published in South-Africa as an identical adoption under designation SANS 9454-1).

Ed 1 A4 23p EN PDF 23p EN Gr 11 ICS 25.160.50

ISO 9455-16:1998, idt

Am 1(National), 2007-05-25

SANS 20074 (SABS ECE R 74) (2000) (2007-05-18)

Uniform provisions concerning the approval of category L1 vehicles with regard to the installation of lighting and light-signalling devices

Applies to the approval of two-wheeled power-driven vehicles without side-car, having a maximum design speed not exceeding 50 km/h and/or a cylinder capacity not exceeding 50 cubic centimetres or equivalent performance.

Ed 1 A4 35p EN PDF 35p EN Gr 12 ICS 43.040.20; 43.140

Loose-leaf

ECE R74:2000, idt

Am 1, 2007-05-18 Cor 1 on Am 1, 2007-05-18 Am 1(National), 2007-05-18 Am 2, 2007-05-18

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

SANS 50295-2 (SABS EN 295-2) (1991) (2007-05-18)

Vitrified clay pipes and fittings and pipe joints for drains and sewers Part 2: Quality control and sampling

Specifies requirements for manufacturer's internal quality control, third party assessment and inspection.

Ed 1 A4 17p EN PDF 17p EN Gr 9 ICS 23.040.50; 91.140.80

EN 295-2:1991, idt

Am 1(National), 2007-05-18 Am 1, 2007-05-18

SANS 60120 (SABS IEC 60120) (1984) (2007-05-25)

Dimensions of ball and socket couplings of string insulator units

Applies to string insulator units of the cap and pin and long rod types and their associated metal fittings.

Ed 1 A4 30p EN PDF 30p EN Gr 12 ICS 29.080.10

IEC 60120:1984, idt

Am 1(National), 2007-05-25

SANS 60273 (SABS IEC 60273) (1990) (2007-05-25)

Characteristics of indoor and outdoor post insulators for systems with nominal voltages greater than 1 000 V

Applies to post insulators and post insulator units of ceramic material or glass intended for indoor or outdoor service, and to post insulators of organic material intended for indoor service in electrical installations or equipment operating on alternating current systems with a nominal voltage greater than 1 000 V and a frequency not greater than 100 Hz. May also be regarded as a provisional standard for insulators for use on direct current systems.

Ed 1 A4 43p EN PDF 43p EN Gr 13 ICS 29.080.10

IEC 60273:1990, idt

Am 1(National), 2007-05-25

SANS 60305 (SABS IEC 60305) (1995) (2007-05-25)

Insulators for overhead lines with a nominal voltage above 1 000 V - Ceramic or glass insulator units for a.c. systems -

Characteristics of insulator units of the cap and pin type

Applies to string insulator units of the cap and pin type with insulating parts of ceramic material or glass, intended for a.c. overhead lines with a nominal voltage greater than 1 000 V and a frequency not greater than 100 Hz. Also applies to insulators of similar design used in substations.

Ed 2 A4 9p EN PDF 9p EN Gr 7 ICS 29.080.10

IEC 60305:1995, idt

Am 1(National), 2007-05-25

Revision of SANS 60305:1978 (SABS IEC 60305)

SANS 60320-2-1 (SABS IEC 60320-2-1) (2000) (2007-05-25)

Appliance couplers for household and similar general purposes Part 2-1: Sewing machine couplers

Is applicable to special purpose appliance couplers for household sewing machines. Sewing machine couplers are for a.c. only and have a rated voltage not exceeding 250 V and a rated current not exceeding 2,5 A.

Ed 1 A4 15p EN PDF 15p EN Gr 9 ICS 29.120.30

IEC 60320-2-1:2000, idt

Am 1(National), 2007-05-25

Revision of SANS 60320-2-1:2000 (SABS IEC 60320-2-1)

SANS 60383-1 (SABS IEC 60383-1) (1993) (2007-05-25)

Insulators for overhead lines with a nominal voltage above 1 000 V Part 1: Ceramic or glass insulator units for a.c. systems -

Definitions, test methods and acceptance criteria

Applies to insulators of ceramic material or glass for use on a.c. overhead power lines and overhead traction lines with a nominal voltage exceeding 1 000 V and a frequency not exceeding 100 Hz.

Ed 1 A4 59p EN PDF 59p EN Gr 14 ICS 29.080.10

IEC 60383-1:1993, idt

Am 1(National), 1997-01-13 Am 2(National), 2001-01-26 Am 3(National), 2007-05-25

SANS 60598-2-4 (SABS IEC 60598-2-4) (1997) (2007-05-25)

Luminaires Part 2: Particular requirements Section 4: Portable general purpose luminaires

Specifies requirements for portable general purpose luminaires, other than handlamps, for use with tungsten filament, tubular fluorescent and other discharge lamps on supply voltages not exceeding 250 V.

Ed 1 A4 10p EN PDF 10p EN Gr 7 ICS 29.140.40

IEC 60598-2-4:1997, idt

Am 1(National), 2002-03-25 Am 2(National), 2007-05-25

SANS 60598-2-7 (SABS IEC 60598-2-7) (1982) (2007-05-25)

Luminaires Part 2: Particular requirements Section 7: Portable luminaires for garden use

Specifies requirements for portable pedestal luminaires for use in places such as gardens and for portable luminaires for use in places such as flower beds, for use with tungsten filament, tubular fluorescent and other discharge lamps on supply voltages not exceeding 250 V.

Ed 1 A4 16p EN PDF 16p EN Gr 9 ICS 29.140.40

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

SANS 60815 (SABS IEC 60815) (1986) (2007-05-25)

Guide for the selection of insulators in respect of polluted conditions

Mainly applicable to three-phase systems up to 525 kV (phase-to-phase).

Ed 1 A4 24p EN PDF 24p EN Gr 10 ICS 29.080.10

IEC 60815:1986, idt

Am 1(National), 2007-05-25

SANS 61000-1-1 (SABS IEC 61000-1-1) (1992) (2007-05-25)

Electromagnetic compatibility (EMC) Part 1: General Section 1: Application and interpretation of fundamental definitions and terms

Describes and interprets various terms considered to be of basic importance to concepts and practical application in the design and evaluation of electromagnetically compatible systems.

Ed 1 A4 32p EN PDF 32p EN Gr 12 ICS 29.020

IEC 61000-1-1:1992, idt

Am 1(National), 2007-05-25

SANS 61058-2-5 (SABS IEC 61058-2-5) (1994) (2007-05-25)

Switches for appliances Part 2-5: Particular requirements for change-over selectors

Applies to change-over selectors for appliances actuated by hand, by foot, or by other human activity for use in, on, or with, appliances and other equipment for household and similar purposes, with a rated voltage not exceeding 440 V and a rated current not exceeding 63 A.

Ed 1 A4 12p EN PDF 12p EN Gr 8 ICS 29.120.40

IEC 61058-2-5:1994, idt

Am 1(National), 2007-05-25

SANS 61084-1 (SABS IEC 61084-1) (1991) (2007-05-25)

Cable trunking and ducting systems for electrical installations Part 1: General requirements

Specifies requirements for cable trunking and cable ducting systems intended for the accommodation, and where necessary for the segregation, of conductors, cables or cords and/or other electrical equipment in electrical installations.

Ed 1 A4 32p EN PDF 32p EN Gr 12 ICS 29.120.10

IEC 61084-1:1991, idt

Am 1(National), 1997-01-13 Am 1, 1995-07-17 Am 2(National), 2000-08-25 Am 3(National), 2007-05-25

Revision of SABS 1197:1996 (SABS 1197)

SANS 61084-2-1 (SABS IEC 61084-2-1) (1996) (2007-05-25)

Cable trunking and ducting systems for electrical installations Part 2: Particular requirements Section 1: Cable trunking and ducting systems intended for mounting on walls or ceilings

Specifies requirements for cable trunking and ducting systems intended for mounting on walls or ceilings. The cable trunking and ducting systems accommodate and, where necessary, segregate conductors, cables or cords and other electrical equipment.

Ed 1 A4 14p EN PDF 14p EN Gr 8 ICS 29.120.10; 91.140.50

IEC 61084-2-1:1996, idt

Am 1(National), 1997-01-13 Am 2(National), 2007-05-25

SANS 61084-2-4 (SABS IEC 61084-2-4) (1996) (2007-05-25)

Cable trunking and ducting systems for electrical installations Part 2: Particular requirements Section 4: Service poles

Specifies requirements for service poles intended for the accommodation, and where necessary for the segregation, of conductors, cables or cords and/or other electrical equipment in electrical installations. Specifies requirements for service poles intended for either re-locatable or fixed mounting.

Ed 1 A4 15p EN PDF 15p EN Gr 10 ICS 29.120.10; 29.240.99

IEC 61084-2-4:1996, idt

Am 1(National), 2007-05-25

Revision of SANS 61084-2-4:1996 (SABS IEC 61084-2-4)

SANS 61558-2-15 (SABS IEC 61558-2-15) (1999) (2007-05-18)

Safety of power transformers, power supply units and similar Part 2-15: Particular requirements for isolating transformers for the supply of medical locations

Applies to stationary, single-phase or polyphase, air-cooled (natural or forced) isolating transformers for the supply of group II medical locations, designed to be permanently connected to the fixed wiring of IT supply system, having a rated supply voltage not exceeding 1 000 V a.c. and rated frequency not exceeding 500 Hz. The rated output shall not be less than 3 kVA and shall not exceed 10 kVA.

Ed 1 A4 21p EN PDF 21p EN Gr 10 ICS 29.180

IEC 61558-2-15:1999, idt

Am 1(National), 2007-05-18

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

SANS 61558-2-19 (SABS IEC 61558-2-19) (2000) (2007-05-25)

Safety of power transformers, power supply units and similar devices Part 2-19: Particular requirements for perturbation attenuation transformers

Applies to stationary or portable, single-phase or poly-phase, air-cooled (natural or forced), independent or associated, isolating or safety isolating transformers, having a rated supply voltage not exceeding 1 000 V a.c., a rated frequency not exceeding 500 Hz, a rated output not exceeding 10 kVA. Perturbation attenuation transformers are intended to the supply of office machines and the like and have a mid-point lead out in the output circuit in order to attenuate mains borne disturbances.

Ed 1 A4 17p EN PDF 17p EN Gr 9 ICS 29.180

IEC 61558-2-19:2000, idt

Am 1(National), 2007-05-25

SANS 130 (SABS ISO 1167) (1996) (2007-05-18)**Thermoplastics pipes for the conveyance of fluids - Resistance to internal pressure - Test method**

Specifies a method for determination of the resistance of thermoplastics pipes to constant internal water pressure at constant temperature. Is applicable to thermoplastics pipes intended for the conveyance of fluids.

Ed 1 A4 16p EN PDF 16p EN ICS 23.040.20

ISO 1167:1996, idt

Replaced by: SANS 130-1 (2007)

SANS 143 (SABS 143) (1999) (2007-05-25)**Lidocaine (lignocaine) hydrochloride and noradrenaline (norepinephrine) injection for dental use**

Specifies requirements for a sterile solution (in water for injections) of lidocaine (lignocaine) hydrochloride and noradrenaline (norepinephrine) for dental use.

Ed 3 A4 13p EN PDF 13p EN ICS 11.060.10; 11.120.10

Replaced by: SANS 143 (SABS 143) (2007)

SANS 179 (SABS 179) (2006) (2007-05-25)**Mutton cloth**

Covers two types, each comprised of two classes of mutton cloth suitable for use in cleaning and for use in covering carcasses.

Ed 2 A4 10p EN PDF 10p EN ICS 59.080.30

Replaced by: SANS 179 (SABS 179) (2007)

SANS 196 (SABS 196) (2000) (2007-05-25)**Orthopaedic padding**

This standard specifies requirements for five types of orthopaedic padding.

Ed 2.02 A4 11p EN PDF 11p EN ICS 11.040.30; 59.080.99

Am 1, 1995-09-18 Am 2, 2000-02-25

Replaced by: SANS 196 (SABS 196) (2007)

SANS 227 (SABS 227) (2002) (2007-05-18)**Burnt clay masonry units**

Covers burnt clay masonry units for use in masonry walling (engineering, facing and non-facing). Lays down a classification system.

Includes requirements for shape, appearance, texture, colour, dimensions, warpage, compressive strength, efflorescence and soundness; methods of test for water absorption, water-soluble salts, and moisture expansion and information on compressive strength of engineering units, the usage rate of units per square metre of walling and explanatory notes on efflorescence.

Ed 4.03 A4 25p EN PDF 25p EN ICS 91.100.25; 91.100.15

Am 1, 1990-04-01 Am 2, 1992-03-01 Am 3, 2002-05-31

Replaced by: SANS 227 (SABS 227) (2007)

SANS 432 (SABS 432) (2006) (2007-05-25)**Indelible marking ink for textile fabrics**

Covers requirements for two types of non-corrosive indelible marking ink suitable for marking textile fabrics (other than coated fabrics) and of any colour.

Ed 3 A4 10p EN PDF 10p EN ICS 59.080.30; 87.080; 97.195

Replaced by: SANS 432 (SABS 432) (2007)

SANS 580 (SABS 580) (1973) (2007-05-25)**Chloroprene rubber sheet (for waterproofing)**

Covers chloroprene rubber sheet used in waterproofing applications. Requirements for materials, workmanship, dimensions and physical and chemical properties are specified.

Ed 1 A4 12p EN PDF 12p EN ICS 83.140.10; 91.120.30

Am 1, 1974-08-01

Replaced by: SANS 580 (SABS 580) (2007)

SANS 659 (SABS 659) (1999) (2007-05-25)**Lidocaine (lignocaine) hydrochloride, adrenaline (epinephrine) and noradrenaline (norepinephrine) injection for dental use**

Specifies requirements for a sterile solution (in water for injections) of lidocaine (lignocaine) hydrochloride, adrenaline (epinephrine) and noradrenaline (norepinephrine) for dental use.

Ed 3 A4 13p EN PDF 13p EN ICS 11.060.10; 11.120.10

Replaced by: SANS 659 (SABS 659) (2007)

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

SANS 682 (SABS 682) (1972) (2007-05-18)

Finishing paint, aluminium type

Lays down chemical and physical requirements and test methods for 2 quality grades of aluminium paint. Grade 1: An alkyd resin based paint particularly intended for use on structural steel over a suitable anti-corrosive primer. Grade II: A general purpose aluminium paint for steel and wooden surfaces. Both grades are also suitable for use as a roof paint on suitably primed or previously painted galvanized iron.

Ed 2 A4 14p EN PDF 14p EN ICS 87.040

Am 1, 1975-03-01 Am 2, 1979-06-01 Col 2, 1999-12-10 Am 3, 1995-01-01

Replaced by: SANS 682 (SABS 682) (2007)

SANS 750 (SABS 750) (2004) (2007-05-25)

Interlock fabric

Covers three types of interlock fabric suitable for use in the manufacture of underwear and certain types of outerwear.

Ed 4 A4 11p EN PDF 11p EN ICS 59.080.30

Replaced by: SANS 750 (SABS 750) (2007)

SANS 817 (SABS 817) (1999) (2007-05-25)

Lidocaine (lignocaine) hydrochloride injection for dental use

Specifies requirements for a sterile solution (in water for injections) of lidocaine (lignocaine) hydrochloride for dental use.

Ed 3 A4 11p EN PDF 11p EN ICS 11.060.10; 11.120.10

Replaced by: SANS 817 (SABS 817) (2007)

SANS 950 (SABS 950) (1985) (2007-05-04)

Unplasticized polyvinyl chloride rigid conduit and fittings for use in electrical installations

Covers the material, dimensional and performance requirements of uPVC rigid conduit and fittings. An appendix contains recommended installation procedures to be followed to ensure trouble-free service.

Ed 2 A4 32p EN PDF 32p EN ICS 29.120.10; 83.140.30

Replaced by: SANS 950 (SABS 950) (2007)

SANS 955 (SABS 955) (1999) (2007-05-25)

Lidocaine (lignocaine) hydrochloride and adrenaline (epinephrine) injection for dental use

Specifies requirements for a sterile solution (in water for injections) of lidocaine (lignocaine) hydrochloride and adrenaline (epinephrine) acid tartrate for dental use.

Ed 3 A4 13p EN PDF 13p EN ICS 11.060.10; 11.120.10

Replaced by: SANS 955 (SABS 955) (2007)

SANS 985 (SABS 985) (2006) (2007-05-25)

Polyester-and-wool uniform fabrics

Covers the requirements for seven types of dyed polyester-and-wool fabric suitable for lightweight uniforms.

Ed 3.01 A4 11p EN PDF 11p EN ICS 59.080.30; 61.020

Am 1, 2006-12-01

Replaced by: SANS 985 (SABS 985) (2007)

SANS 1008 (SABS 1008) (2004) (2007-05-25)

Warp-knitted pocketing

Covers general requirements and requirements for composition, structure, mass per square metre, width, piece length, dimensional stability, colour, colour fastness to washing, perspiration and rubbing, freedom from defects, and packing and marking of two types of warp-knitted pocketing made from polyamide or polyester yarns.

Ed 2 A4 9p EN PDF 9p EN ICS 59.080.30

Replaced by: SANS 1008 (SABS 1008) (2007)

SANS 1038 (SABS 1038) (2004) (2007-05-25)

Cotton eyelet fabric

Covers cotton eyelet fabric suitable for use in the manufacture of underwear and certain forms of outerwear. Lays down requirements for structure, stitch length, fabric and roll mass, width, colour, colour fastness to light, washing and perspiration, dimensional change on laundering, defects, and stringing of and allowance for defects.

Ed 2 A4 12p EN PDF 12p EN ICS 59.080.30

Replaced by: SANS 1038 (SABS 1038) (2007)

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

SANS 1156-2 (SABS 1156-2) (2000) (2007-05-25)

Hose for liquefied petroleum gas (LPG) Part 2: Hose and tubing for use in LPG vapour phase and LPG-air installations

Covers flexible rubber or PVC hose and tubing for use, at a temperature not exceeding 60 °C, in LPG vapour phase and LPG-air installations (including domestic applications).

Ed 1.01 A4 22p EN PDF 22p EN ICS 23.040.70; 75.200

Am 1, 2000-08-04

Replaced by: SANS 1156-2 (SABS 1156-2) (2007)

SANS 1210 (SABS 1210) (1984) (2007-05-18)

Hexagon wrench keys

Covers the material, dimensional, and mechanical strength requirements for hexagon wrench keys (Allen keys) in sizes ranging from 2 mm to 36 mm inclusive.

Ed 1 A4 11p EN PDF 11p EN ICS 25.140.30

Replaced by: SANS 1210 (SABS 1210) (2007)

SANS 1211 (SABS 1211) (1984) (2007-05-18)

Adjustable wrenches

Covers the requirements for the material, construction, type of finish and performance of 2 types of adjustable wrenches in sizes ranging from 100 mm to 600 mm.

Ed 1 A4 11p EN PDF 11p EN ICS 25.140.30

Am 1, 1987-06-01

Replaced by: SANS 1211 (SABS 1211) (2007)

SANS 1249 (SABS 1249) (2005) (2007-05-25)

Knitted uniform fabrics

Specifies requirements for six types of knitted fabrics. Types NKU 1 to NKU 5 (inclusive) are intended primarily for nurses' uniforms and type NKU 6 is intended primarily for uniforms for general use.

Ed 2.03 A4 16p EN PDF 16p EN ICS 59.080.30; 61.020

Am 1, 2000-12-18 Col 1, 1999-04-16 Am 2, 2005-08-12

Replaced by: SANS 1249 (SABS 1249) (2007)

SANS 1288 (SABS 1288) (2000) (2007-05-18)

Preservative-treated timber

Specifies treatment requirements (other than the method of treatment) for preservative-treated timber and timber products (other than for composite board products and timber products that fall within the scope of SABS 457-2, SABS 457-3, SABS 753 and SABS 754) that have a predicted service life at various levels of preservative treatment which are considered to be acceptable for a range of hazard conditions.

Ed 3 A4 25p EN PDF 25p EN ICS 71.100.50; 79.040
Loose-leaf

Replaced by: SANS 1288 (SABS 1288) (2007)

SANS 1311 (SABS 1311) (2002) (2007-05-18)

Metal clisco windows

Covers material, construction and strength requirements for 2 types of clisco window complete with fittings. Figures illustrate typical surrounds and hot rolled mild steel sections.

Ed 1.01 A4 16p EN PDF 16p EN ICS 91.060.50

Am 1, 2002-03-25

Replaced by: SANS 1311 (SABS 1311) (2007)

SANS 1321-2 (SABS 1321-2) (1982) (2007-05-25)

Non-metallic waste traps Part 2: Rubber waste traps

Covers requirements for 'P', 'S' and dip-tube bottle waste traps moulded from suitable butyl or EPDM rubber compounds and designed for use in domestic applications with baths, sinks, showers and other fitments.

Ed 1 A4 12p EN PDF 12p EN ICS 83.140.99; 91.140.80

Am 1, 1984-08-01

Replaced by: SANS 1321-2 (SABS 1321-2) (2007)

SANS 1498 (SABS 1498) (1989) (2007-05-18)

Algaecides for use in industrial cooling water

Covers 3 types (liquid, paste or solid) for the control of algaecides.

Ed 1 A4 14p EN PDF 14p EN ICS 65.100.20

Replaced by: SANS 1498 (SABS 1498) (2007)

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

SANS 1505-1 (SABS 1505-1) (2005) (2007-05-18)

Ball type couplings and towing brackets for towing caravans and light trailers Part 1: Towing brackets and integrated towing devices

Specifies requirements for towing brackets and integrated towing devices intended to be fitted to towing vehicles of gross vehicle mass (GVM) not exceeding 22 000 kg, and intended for towing a caravan or a light trailer of GVM not exceeding 3 500 kg.

Ed 2.02 A4 15p EN PDF 15p EN ICS 43.040.70

Am 1, 1998-09-11 Am 2, 2005-08-05

Replaced by: SANS 1505-1 (SABS 1505-1) (2007)

SANS 1545-5 (SABS 1545-5) (2000) (2007-05-04)

Safety rules for the construction and installation of lifts Part 5: Electric and hydraulic access, goods only lifts

Specifies the safety rules for the construction and installation of permanently installed new electric or hydraulic access, goods only lifts that comprise cars, the interior of which is regarded as accessible to persons but it is not to be used by persons on account of its means of construction, that run at least partially between rigid vertical guide rails or guide rails whose inclination to the vertical does not exceed 15° and that are driven electrically or hydraulically.

Ed 1 A4 116p EN PDF 116p EN ICS 91.140.90

EN 81-3:2000, mod

Replaced by: SANS 1545-5 (SABS 1545-5) (2007)

SANS 1553-1 (SABS 1553-1) (1993) (2007-05-18)

PVC-U window and door frames for external use Part 1: PVC-U profiles for window and door frames

Specifies requirements for the material, basic properties, and design of extruded profiles produced from unplasticized polyvinyl chloride (PVC-U) for the construction of window and door frames for external use.

Ed 1 A4 37p EN PDF 37p EN ICS 91.060.50

Replaced by: SANS 1553-1 (SABS 1553-1) (2007)

SANS 1553-2 (SABS 1553-2) (1995) (2007-05-18)

PVC-U window and door frames for external use Part 2: Windows with frames made from PVC-U profiles

Specifies requirements for the materials, construction, types, dimensions, properties and performance of windows with frames made from extruded unplasticized polyvinyl chloride (PVC-U) profiles that meet the requirements of SABS 1553-1. Excludes curtain walls that span across horizontal structural members or floors. PVC-U window frames exceeding 3 m in length are also excluded.

Ed 1 A4 48p EN PDF 48p EN ICS 91.060.50

Replaced by: SANS 1553-2 (SABS 1553-2) (2007)

SANS 1635-2 (SABS 1635-2) (1998) (2007-05-18)

Fork-lift trucks and pallet trucks Part 2: Pallet trucks - Principal dimensions

Specifies the principal dimensions of pallet trucks intended for transporting flat pallets that comply with ISO 6780. The heights, widths and lengths of the fork arms of pallet trucks, that have either single or tandem trail wheels, are given.

Ed 1 A4 8p EN PDF 8p EN ICS 53.060

Replaced by: SANS 509 (2007)

SANS 1701-2-28 (SABS 1701-2-28) (1996) (2007-05-04)

Bearings Part 2: Rolling bearings Section 28: Needle roller bearings - Track rollers - Boundary dimensions

Specifies the boundary dimensions of needle roller bearing track rollers, yoke and stud type.

Ed 1 A4 7p EN Not sold PDF 7p EN ICS 21.100.20

separately,
refer SANS
1701 set

ISO 6278:1980, idt

Replaced by: SANS 360 (2005)

SANS 1823 (SABS 1823) (2001) (2007-05-18)

Touch and close fasteners

Specifies requirements for touch and close fasteners.

Ed 1 A4 17p EN PDF 17p EN ICS 61.040

Replaced by: SANS 1823 (SABS 1823) (2007)

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

SANS 1838-1 (SABS 1838-1) (2007) (2007-05-18)

Electronic self-indicating road vehicle mass measuring equipment for use by road traffic authorities Part 1: Non-automatic mass measuring equipment for static mass measurement

Specifies metrological and technical requirements for non-automatic, self-indicating, electronic mass measuring equipment for road vehicles, and used in traffic law enforcement. Gives rules for type approval in Annex A.

Ed 1.01 A4 39p EN PDF 39p EN ICS 17.060; 17.100

Am 1, 2007-01-19

Replaced by: SANS 1838-1 (SABS 1838-1) (2007)

SANS 1858 (SABS 1858) (2002) (2007-05-04)

Oil-spill dispersants

Covers three types of oil-spill dispersant: Type 1, dispersant using hydrocarbons with a low percentage of aromatics as a carrier, for use in undiluted form. Type 2, water-dilutable concentrate for use at sea after dilution of 1:10 with sea water (water, alcohols or glycols are used as a carrier). Type 3, a concentrate for use in undiluted form, the dispersant of choice for aerial spraying.

Ed 1 A4 21p EN PDF 21p EN ICS 75.100

Replaced by: SANS 1858 (SABS 1858) (2007)

SANS 1977-1 (SABS ISO 1977-1) (1976) (2007-05-18)

Conveyor chains, attachments and chain wheels Part 1: Chains - metric series

Gives specifications for metric-dimensioned bush, plain and flanged roller chains of both solid and hollow bearing pin types designed for general conveying and mechanical handling duties.

Ed 1 A4 9p EN PDF 9p EN ICS 53.040.20

ISO 1977-1:1976, idt

Replaced by: SANS 1977 (2006)

SANS 1977-2 (SABS ISO 1977-2) (1974) (2007-05-18)

Conveyor chains, attachments and chain wheels Part 2: Chain wheels

Gives specifications for chain wheels for use with conveyor chain conforming to part 1 and specifies control criteria to ensure correct meshing, operation and transmission of load when used under normal operating conditions.

Ed 1 A4 9p EN PDF 9p EN ICS 53.040.20

ISO 1977-2:1974, idt

Replaced by: SANS 1977 (2006)

SANS 1977-3 (SABS ISO 1977-3) (1974) (2007-05-18)

Conveyor chains, attachments and chain wheels Part 3: Attachments - Metric series

Gives specifications for K attachments and deep plate attachments for use with conveyor chains.

Ed 1 A4 7p EN PDF 7p EN ICS 53.040.20

ISO 1977-3:1974, idt

Replaced by: SANS 1977 (2006)

SANS 2505-1 (SABS ISO 2505-1) (1994) (2007-05-18)

Thermoplastics pipes - Longitudinal reversion Part 1: Determination methods

Specifies two methods for determining the longitudinal reversion of thermoplastics pipes, to be carried out in liquid or in air. Applies to all thermoplastics pipes with smooth internal and external walls of constant cross-section.

Ed 1 A4 9p EN PDF 9p EN ICS 23.040.20

ISO 2505-1:1994, idt

Replaced by: SANS 2505 (2007)

SANS 2505-2 (SABS ISO 2505-2) (1994) (2007-05-18)

Thermoplastics pipes - Longitudinal reversion Part 2: Determination parameters

Specifies the parameters for the determination of the longitudinal reversion of the thermoplastics pipes in accordance with methods specified in ISO 2505-1, i.e. using a liquid bath or an air oven.

Ed 1 A4 12p EN PDF 12p EN ICS 23.040.20

ISO 2505-2:1994, idt

Replaced by: SANS 2505 (2007)

SANS 5217 (SABS SM 217) (2005) (2007-05-18)

Water - Free and saline ammonia content

Specifies a method of measuring the concentration of un-ionized and ionized ammoniacal nitrogen in water and in wastewater.

Ed 3.01 A4 6p EN PDF 6p EN ICS 13.060.50

Am 1, 2005-01-14

Replaced by: SANS 5217 (SABS SM 217) (2007)

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

SANS 5785 (SABS SM 785) (1973) (2007-05-18)**Elutriation of asbestos fibre (Turner and Newall Method)**

Specifies the Turner and Newall method for the elutriation of asbestos fibre.

Ed 1 A5 11p EN PDF 11p EN ICS 59.060.30
Loose-leaf

Am 1, 1978-03-01

SANS 5786 (SABS SM 786) (1973) (2007-05-18)**Air permeability of asbestos fibre (Turner and Newall rapid surface area method)**

Specifies the Turner and Newall rapid surface area method for the determination of asbestos fibre

Ed 1 A5 7p EN PDF 7p EN ICS 59.060.30
Loose-leaf

Am 1, 1977-06-01

SANS 5787 (SABS SM 787) (1973) (2007-05-18)**Magnetic rating of asbestos fibre**

Specifies a method for the determination of the magnetic rating of asbestos fibre, using the Turner and Newall magnetic analyser

Ed 1 A5 9p EN PDF 9p EN ICS 59.060.30
Loose-leaf

SANS 5879 (SABS SM 879) (1976) (2007-05-25)**Resistance to flaming of vulcanized rubbers**

Specifies a method for the determination of the resistance to flaming of vulcanized rubbers.

Ed 1 A5 2p EN PDF 2p EN ICS 13.220.40; 83.060
Loose-leaf

SANS 6051 (SABS SM 1051) (1982) (2007-05-18)**Oil and grease content of water**

Specifies a method for the determination of the oil and grease content of water.

Ed 1 A5 3p EN PDF 3p EN ICS 13.060.60
Loose-leaf

Replaced by: SANS 6051 (SABS SM 1051) (2007)

SANS 6056 (SABS SM 1056) (1982) (2007-05-18)**Sulphide content of water**

Specifies a method for the determination of the sulphide content of water. The reaction between p-aminodimethylaniline, ferric chloride, and the sulphide ion results in the formation of methylene blue. Ammonium phosphate is added to remove the colour caused by the ferric ion, and the colour is then visually matched with that of standard methylene blue solutions.

Ed 1 A5 4p EN PDF 4p EN ICS 13.060.50
Loose-leaf

Replaced by: SANS 6056 (SABS SM 1056) (2007)

SANS 6061 (SABS SM 1061) (2000) (2007-05-25)**CCA salts equivalent mass concentration of aqueous solutions that contain mixtures of copper-chromium-arsenic compounds used for timber preservation**

Specifies a semi-quantitative method of determining the CCA salts equivalent mass concentration, C_m , of test samples of aqueous solutions that contain mixtures of copper-chromium-arsenic (CCA) timber preservative compounds, by means of the wet titration method.

Ed 3 A4 3p EN PDF 3p EN ICS 71.100.50

Replaced by: SANS 6061 (SABS SM 1061) (2007)

SANS 6219 (SABS SM 1219) (1994) (2007-05-18)**Permitted electric detonators: Incendivity (Gallery test)**

Specifies a method of determining the incendivity of permitted electric detonators. Does not apply to electronic detonators or to permitted detonators of any other type.

Ed 1 A4 4p EN PDF 4p EN ICS 71.100.30
Loose-leaf

Replaced by: SANS 6219 (SABS SM 1219) (2007)

SANS 6848 (SABS ISO 6848) (1984) (2007-05-18)**Tungsten electrodes for inert gas shielded arc welding, and for plasma cutting and welding - Codification**

Lays down requirements for tungsten electrodes for inert gas shielded arc welding, and for plasma cutting and welding.

Ed 1 A4 8p EN PDF 8p EN ICS 25.160.20

ISO 6848:1984, idt

Replaced by: SANS 6848 (SABS ISO 6848) (2007)

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

SANS 9692 (SABS ISO 9692) (1992) (2007-05-18)

Metal-arc welding with covered electrode, gas-shielded metal-arc welding and gas welding - Joint preparations for steel

Pertains to types of joint preparation for metal-arc welding with covered electrode, gas-shielded metal-arc welding and gas welding on steel.

Ed 1 A4 20p EN PDF 20p EN ICS 25.160.40

ISO 9692:1992, idt

Replaced by: SANS 9692-1 (2007)

SANS 10011 (SABS 011) (2006) (2007-05-25)

Care-labelling of textile piece-goods, textile articles and clothing

Covers a system of graphic symbols for use in the permanent marking of textile piece-goods for retail sale, made-up textile articles and clothing, to provide the consumer, the dry-cleaner and the launderer with information on the appropriate cleaning processes essential for the care of the textile piece-goods, textile articles and clothing.

Ed 4 A4 20p EN PDF 20p EN ICS 59.080.01; 61.020

Replaced by: SANS 10011 (SABS 011) (2007)

SANS 10066 (SABS 066) (1973) (2007-05-25)

Application of process control to fish-canning factories

Lays down a scheme of procedure in the canning of fish that, when strictly followed, ensures microbiological stability in the final product. Covers exhausting of cans, temperature of packing medium, seaming, can washing, retoring, cooling of processed cans, storage and inspection.

Ed 2 A4 21p EN PDF 21p EN ICS 03.100.50; 67.020

Replaced by: SANS 10066 (SABS 066) (2007)

SANS 10122 (SABS 0122) (1975) (2007-05-18)

Asbestos terms and definitions

Covers terms and definitions of terms used in the asbestos industry. Naturally occurring asbestos agglomerates are further defined by their transverse dimensions.

Ed 1 A5 6p EN PDF 6p EN ICS 01.040.73
Loose-leaf

SANS 10369 (SABS 0369) (2002) (2007-05-18)

Non-destructive examination and testing of steel wire rope

Specifies the requirements for the non-destructive examination of wire rope, taking into account the different types of rope and their functions. Covers the general requirements and use of non-destructive examination (NDE) equipment in the examination of all types of steel wire rope.

Ed 1 A4 18p EN PDF 18p EN ICS 77.040.20; 77.140.65

Replaced by: SANS 10369 (SABS 0369) (2007)

SANS 10406 (2004) (2007-05-04)

Transport of dangerous goods - The reprocessing of previously certified packaging

Specifies the procedures for the reprocessing of previously certified packaging for the transport of dangerous goods, to ensure that the reprocessed packaging meets agreed upon quality standards and that the safe transport of goods packaged in such packaging is not compromised. Reprocessing includes three principal categories of activities: remanufacturing, reconditioning and repair.

Ed 1 A4 14p EN PDF 14p EN ICS 13.300; 55.020

SANS 11137 (2006) (2007-05-18)

Sterilization of health care products - Requirements for validation and routine control - Radiation sterilization

Specifies requirements for validation, process control and routine monitoring in the radiation sterilization of health care products. Applies to continuous and batch type gamma irradiators using the radionuclides ⁶⁰Co and ¹³⁷Cs, and to irradiators using a beam from an electron or x-ray generator.

Ed 1 A4 68p EN PDF 68p EN ICS 11.080.01

ISO 11137:1995, idt

SANS 11607 (2006) (2007-05-04)

Packaging for terminally sterilized medical devices

Specifies the requirements for single-use materials and reusable containers used for packaging of terminally sterilized medical devices. Outlines principle requirements for packaging process development and validation. Provides designers and manufacturers of medical devices with a framework of laboratory tests and evaluations to qualify the overall performance of the package used to protect device components during handling, distribution and storage.

Ed 1 A4 30p EN PDF 30p EN ICS 11.080.30

ISO 11607:2003, idt

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

SANS 12193 (SABS ISO 12193) (1994) (2007-05-18)

Animal and vegetable fats and oils - Determination of lead content - Graphite furnace atomic absorption method

Specifies a method for the determination of trace amounts (< 0,1 mg/kg) of lead in animal and vegetable fats and oils, referred to in the standard as fats.

Ed 1 A4 9p EN PDF 9p EN ICS 67.200.10

ISO 12193:1994, idt

SANS 20007 (SABS ECE R 7) (2002) (2007-05-18)

Uniform provisions concerning the approval of front and rear position (side) lamps, stop-lamps and end-outline marker lamps for motor vehicles (except motor cycles) and their trailers

Applies to the approval of front and rear position (side) lamps, stop-lamps and end-outline marker lamps for motor vehicles (except motor cycles) and their trailers.

Ed 2 A4 36p EN PDF 36p EN ICS 43.040.20

ECE R7:2001, idt

Am 1(National), 2003-11-21 Am 1, 2003-11-21 Am 2, 2003-11-21

Replaced by: SANS 20007 (SABS ECE R 7) (2007)

SANS 20023 (SABS ECE R 23) (1992) (2007-05-25)

Uniform provisions concerning the approval of reversing lamps for power-driven vehicles and their trailers

Applies to the approval of reversing lamps for power-driven vehicles and their trailers.

Ed 1 A4 35p EN PDF 35p EN ICS 43.040.20

ECE R23:1992, idt

Cor 1, 2002-06-19 Am 1, 1999-04-16 Am 1(National), 2003-08-22 Am 2, 1999-04-16 Am 3, 2003-08-22 Am 4, 2003-08-22

Replaced by: SANS 20023 (SABS ECE R 23) (2007)

SANS 20037 (SABS ECE R 37) (2002) (2007-05-25)

Uniform provisions concerning the approval of filament lamps for use in approved lamp units of power-driven vehicles and of their trailers

Applies to filament lamps intended for use in approved lamp units of power-driven vehicles and of their trailers.

Ed 2 A4 144p EN PDF 144p EN ICS 43.040.20; 29.140

ECE R37:2001, idt

Am 1, 2002-12-13 Am 1(National), 2004-08-06 Cor 1, 2004-08-06 Am 2, 2004-08-06 Am 3, 2004-08-06 Am 4, 2005-09-23

Replaced by: SANS 20037 (SABS ECE R 37) (2007)

SANS 20048 (SABS ECE R 48) (1994) (2007-05-18)

Uniform provisions concerning the approval of vehicles with regard to the installation of lighting and light-signalling devices

Applies to the approval of power-driven vehicles intended for use on the road, with or without bodywork, with not less than four wheels and a maximum design speed exceeding 25 km/h, and of their trailers, with the exception of vehicles which run on rails, agricultural or forestry tractors and machinery, and public works vehicles.

Ed 1 A4 84p EN PDF 84p EN ICS 43.040.20

Loose-leaf

ECE R48:1994, idt

Replaced by: SANS 20048 (SABS ECE R 48) (2007)

SANS 20050 (SABS ECE R 50) (1983) (2007-05-25)

Uniform provisions concerning the approval of front position lamps, rear position lamps, stop lamps, direction indicators and rear-registration-plate illuminating devices for mopeds, motor cycles and vehicles treated as such

Applies to the approval of front position lamps, rear position lamps, stop lamps, direction indicators, and rear-registration-plate illuminating devices intended to be fitted to mopeds, motor cycles and vehicles treated as such.

Ed 1 A4 39p EN PDF 39p EN ICS 43.040.20; 43.140

ECE R50:1983, idt

Cor 1, 2001-02-02 Am 1, 2001-02-02 Am 1(National), 2003-12-18 Am 2, 2003-12-18 Am 3, 2003-12-18 Am 4, 2003-12-18

Replaced by: SANS 20050 (SABS ECE R 50) (2007)

SANS 20091 (SABS ECE R 91) (1993) (2007-05-25)

Uniform provisions concerning the approval of side-marker lamps for motor vehicles and their trailers

Applies to the approval of side-marker lamps used to increase the visibility of the sides of road vehicles.

Ed 1 A4 37p EN PDF 37p EN ICS 43.040.20

Loose-leaf

ECE R91:1993, idt

Am 1, 1999-04-16 Am 1(National), 2003-09-12 Am 2, 1999-04-16 Am 3, 2003-09-12 Am 4, 2003-09-12

Replaced by: SANS 20091 (SABS ECE R 91) (2007)

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

SANS 20098 (SABS ECE R 98) (1996) (2007-05-18)

Uniform provisions concerning the approval of motor vehicle headlamps equipped with gas-discharge light sources

Applies to motor vehicle headlamps equipped with gas discharge light source(s) which may incorporate lenses of glass or plastic material.

Ed 1 A4 75p EN PDF 75p EN ICS 43.040.20

ECE R98:1996, idt

Replaced by: SANS 20098 (SABS ECE R 98) (2007)

SANS 50139 (SABS EN 139) (1994) (2007-05-18)

Respiratory protective devices - Compressed air line breathing apparatus for use with a full face mask, half mask or a mouthpiece assembly - Requirements, testing, marking

Specifies minimum requirements for compressed-air line breathing apparatus for use with a full-face mask, a half mask or a mouthpiece assembly as a respiratory protective device.

Ed 1 A4 26p EN PDF 26p EN ICS 13.340.30

EN 139:1994, idt

Cor 1, 1997-09-01

Replaced by: SANS 54593-1 (2006) SANS 54593-2 (2006) SANS 54594 (2006)

SANS 50271 (SABS EN 271) (1995) (2007-05-18)

Respiratory protective devices - Compressed air line or powered fresh air hose breathing apparatus incorporating a hood for use in abrasive blasting operations - Requirements, testing, marking

Specifies minimum requirements for compressed air line and powered fresh air hose breathing apparatus incorporating a hood which are used to provide protection when undertaking blasting work using solid abrasives.

Ed 1 A4 12p EN PDF 12p EN ICS 13.340.30

EN 271:1995, idt

Replaced by: SANS 54594 (2006)

SANS 60034-10 (SABS IEC 60034-10) (1975) (2007-05-18)

Rotating electrical machines Part 10: Conventions for description of synchronous machines

Establishes certain conventions concerning the description of synchronous machines, in correlation with accepted conventions concerning electric and magnetic circuits.

Ed 1 A4 18p EN PDF 18p EN ICS 29.160.01

IEC 60034-10:1975, idt

SANS 60079-2 (SABS IEC 60079-2) (2001) (2007-05-04)

Electrical apparatus for explosive gas atmospheres Part 2: Pressurized enclosures "p"

Contains specific requirements for the construction and testing of electrical apparatus with pressurized enclosures, of protection type "p", intended for use in explosive gas atmospheres.

Ed 2 A4 53p EN PDF 53p EN ICS 29.260.20

IEC 60079-2:2001, idt

Replaced by: SANS 60079-2 (SABS IEC 60079-2) (2007)

SANS 60079-7 (SABS IEC 60079-7) (2003) (2007-05-18)

Electrical apparatus for explosive gas atmospheres Part 7: Increased safety "e"

Specifies the requirements for the design, construction, testing and marking of electric apparatus with type of protection increased safety "e" intended for use in explosive gas atmospheres. This standard applies to electrical apparatus with a rated value of supply voltage not exceeding 11 kV r.m.s. a.c. or d.c. Additional measures are applied to ensure that the apparatus does not produce arcs, sparks, or excessive temperatures in normal or under specified abnormal conditions.

Ed 2 A4 65p EN PDF 65p EN ICS 29.260.20

IEC 60079-7:2001, idt

Cor 1, 2005-12-14

Replaced by: SANS 60079-7 (SABS IEC 60079-7) (2007)

SANS 60079-11 (SABS IEC 60079-11) (1999) (2007-05-18)

Electrical apparatus for explosive gas atmospheres Part 11: Intrinsic safety "i"

Specifies the construction and testing of intrinsically safe apparatus, intended for use in potentially explosive atmospheres and for associated apparatus, which is intended for connection to intrinsically safe circuits which enter such atmospheres.

Ed 2 A4 98p EN PDF 98p EN ICS 29.260.20

IEC 60079-11:1999, idt

Am 1(National), 2001-11-19

Replaced by: SANS 60079-11 (SABS IEC 60079-11) (2007)

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

SANS 60079-19 (SABS IEC 60079-19) (1993) (2007-05-18)

Electrical apparatus for explosive gas atmospheres Part 19: Repair and overhaul for apparatus used in explosive atmospheres (other than mines or explosives)

Gives instructions, principally of a technical nature, on the repair, overhaul, reclamation and modification of a certified apparatus designed for use in explosive atmospheres (other than mining applications or explosive processing and manufacture).

Ed 1 A4 46p EN PDF 46p EN ICS 29.260.20

IEC 60079-19:1993, idt

Replaced by: SANS 60079-19 (SABS IEC 60079-19) (2007)

SANS 60079-26 (2005) (2007-05-04)

Electrical apparatus for explosive gas atmospheres Part 26: Construction, test and marking of Group II Zone 0 electrical apparatus

Specifies the particular requirements for construction, test and marking for electrical apparatus of Group II intended for use in Zone 0 as defined in SANS 60079-10. This standard also applies to apparatus mounted across the boundary between Zone 0 and Zone 1 and to apparatus installed outside Zone 0, but electrically connected to apparatus inside Zone 0 (associated apparatus).

Ed 1 A4 18p EN PDF 18p EN ICS 29.260.20

IEC 60079-26:2004, idt

SANS 60086-2 (SABS IEC 60086-2) (2001) (2007-05-25)

Primary batteries Part 2: Physical and electrical specifications

Specifies the physical dimensions, the discharge test conditions and discharge performance requirements for primary batteries based on standardized electrochemical systems.

Ed 4.01 A4 54p EN PDF 54p EN ICS 29.220.10
Loose-leaf

IEC 60086-2:2001, idt

Am 1, 2002-06-14 Am 2, 2005-02-18

Replaced by: SANS 60086-2 (SABS IEC 60086-2) (2007)

SANS 60570-2-1 (SABS IEC 60570-2-1) (2001) (2007-05-04)

Electrical supply track systems for luminaires Part 2: Mixed supply systems Section 1: Classes I and III

Applies to mixed supply track systems for connecting both class 1 and class 111 luminaires simultaneously, but in different track openings to the electrical supply, with 2 or more poles with a maximum nominal voltage of 440 V between poles (live conductors), maximum nominal frequency of 60 Hz and a maximum nominal current per conductor of 16 A for a class 1 sector and 25 A for a class 111 sector. Applies to track systems designed for ordinary interior use for mounting on, suspended from walls and ceilings.

Ed 1.01 A4 12p EN PDF 12p EN ICS 29.140.50

IEC 60570-2-1:2001, idt

Am 1, 1997-06-02

Replaced by: SANS 60570 (SABS IEC 60570) (1995)

SANS 60884-2-2 (SABS IEC 60884-2-2) (1989) (2007-05-18)

Plugs and socket-outlets for household and similar purposes Part 2-2: Particular requirements for socket-outlets for appliances

Applies to socket-outlets integrated or intended to be incorporated in or fixed to appliances. Socket-outlets for appliances are provided with means for fixation into appropriate mounting boxes, if intended also for use in fixed installations.

Ed 1 A4 16p EN PDF 16p EN ICS 29.120.30

IEC 60884-2-2:1989, idt

Replaced by: SANS 60884-2-2 (SABS IEC 60884-2-2) (2007)

SANS 60884-2-3 (SABS IEC 60884-2-3) (1989) (2007-05-18)

Plugs and socket-outlets for household and similar purposes Part 2-3: Particular requirements for switched socket-outlets without interlock for fixed installations

Applies to fixed switched socket-outlets for a.c. only, with or without earthing contact, with a rated voltage not exceeding 440 V and a rated current not exceeding 32 A, intended for household and similar purposes, either indoors or outdoors.

Ed 1 A4 18p EN PDF 18p EN ICS 29.120.30

IEC 60884-2-3:1989, idt

Replaced by: SANS 60884-2-3 (SABS IEC 60884-2-3) (2007)

SANS 61156-3 (2002) (2007-05-18)

Multicore and symmetrical pair/quad cables for digital communications Part 3: Work area wiring - Sectional specification

Covers individually unscreened pairs in cables for work area wiring. Cables may be provided with a common screen over the cable core. The cables are intended to operate with voltages and currents normally adopted for communication systems.

Ed 1.02 A4 15p EN PDF 15p EN ICS 33.120.10

IEC 61156-3:2001, idt

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

SANS 61347-2-7 (SABS IEC 61347-2-7) (2000) (2007-05-18)

Lamp controlgear Part 2-7: Particular requirements for d.c. supplied electronic ballasts for emergency lighting

Specifies particular safety requirements for d.c. supplied electronic ballasts for maintained and non-maintained emergency lighting purposes.

Ed 1 A4 24p EN PDF 24p EN

ICS 29.140.99

IEC 61347-2-7:2000, idt

Replaced by: SANS 61347-2-7 (SABS IEC 61347-2-7) (2007)

SANS 300328 (2004) (2007-05-18)

Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband Transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using spread spectrum modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive

Applies to the following transceivers, transmitters and receivers including IEEE 802.11, HomeRF(TM) and Bluetooth (TM) wireless technologies. Fixed, mobile or portable applications, e.g. stand-alone radio equipment, plug-in radio devices intended for use with or within a variety of host systems, plug-in radio devices intended for use within combined equipment, and combined equipment or a combination of a plug-in radio device and a specific type of host equipment. Intends covering the provisions under article 3.2 of the R&TTE Directive, which states that radio equipment shall be so constructed that it effectively uses the spectrum allocated to terrestrial/space radio communications and orbital resources so as to avoid harmful interference.

Ed 1 A4 37p EN PDF 37p EN

ICS 33.060.20; 33.100.01

ETSI EN 300328:2003, idt

Standards - To be withdrawn

The standards in this list are not intended to be replaced by any other standard. Comments to reach Standards South Africa before closing date. Please address comments to the Standards Information Centre, AG19, for attention Ingrid Rossouw or ingrid@sabs.co.za
NOTE: All other standards referring to the standards listed below will be amended to take into account the withdrawal, once approved.

SANS 167 (SABS SM 182) (1975) (2007-08-14)

Resistance to laboratory artificial weathering of paint films

Specifies a method for the determination of the resistance to laboratory artificial weathering of paint films

Ed 2 A5 4p EN Gr 3 ICS 19.040; 87.040
Loose-leaf
PDF 4p EN

Reason for withdrawal: The standard has become obsolete

Other standards that reference this standard:

SANS 926 (SABS 926) (1968) ; SANS 801 (SABS 801) (1973) ; SANS 684 (SABS 684) (1972) ; SANS 110 (SABS 110) (1973) ; SANS 1373 (SABS 1373) (1983) ; SANS 1345 (SABS 1345) (1981) ; SANS 802 (SABS 802) (2001) ; SANS 952 (SABS 952) (1985) ;

SANS 723 (SABS 723) (1973) (2007-08-14)

Wash primer (metal etch primer)

Covers a two-container type of general purpose wash primer for brush and cover spray application on clean surfaces of steel, galvanized steel, and aluminium, to serve as a pretreatment before the application of a paint system.

Ed 2 A4 23p EN Gr 9 ICS 87.040
PDF 23p EN

Am 1, 1975-03-01

Am 2, 1978-11-01

Col 2, 1999-12-10

Am 3, 1981-11-01

Am 4, 1995-03-01

Reason for withdrawal: The standard has become obsolete

Other standards that reference this standard:

CKS 451 (CKS 451) (1976) ; CKS 637 (CKS 637) (1992) ; SANS 1187 (SABS 1187) (1985) ; SANS 665 (SABS 665) (2000) ; SANS 10061-1 (SABS 061-1) (2004) ;

SANS 801 (SABS 801) (1973) (2007-08-14)

Epoxy-tar paints

Covers requirements for 3 types of epoxy-tar base paint intended for interior and exterior use as protective coatings on steel, suitably treated galvanized steel, suitably treated aluminium, timber, masonry and concrete surfaces exposed to water immersion and to humid, acid and alkaline environments. Type I is a solvent type for providing high chemical resistance; Type II is a solvent type for general purpose use; Type III is a solvent-free type.

Ed 2 A4 15p EN Gr 8 ICS 87.040
PDF 15p EN

Am 1, 1975-03-01

Am 2, 1995-06-01

Col 2, 1999-12-10

Reason for withdrawal: The standard has become obsolete

Other standards that reference this standard:

SANS 10082 (SABS 082) (1988) ; SANS 1200 H (SABS 1200 H) (1990) ; SANS 1200 HA (SABS 1200 HA) (1990) ; SANS 10243 (SABS 0243) (2004) ;

SANS 926 (SABS 926) (1968) (2007-08-14)

Two pack zinc-rich epoxy primer

Covers one type of cold-curing solution-type primer for use on clean, corrosion-free steel surfaces.

Ed 1 A5 20p EN Gr 9 ICS 25.220.60; 87.040
PDF 20p EN

Am 1, 1970-02-01

Am 2, 1975-03-01

Col 2, 1999-12-10

Am 3, 1995-11-20

Reason for withdrawal: The standard has become obsolete

Other standards that reference this standard:

CKS 451 (CKS 451) (1976) ; CKS 338 (CKS 338) (1972) ; SANS 1200 H (SABS 1200 H) (1990) ; SANS 1200 HA (SABS 1200 HA) (1990) ; SANS 1129 (SABS 1129) (2002) ; SANS 10061-1 (SABS 061-1) (2004) ;

Standards - To be withdrawn

The standards in this list are not intended to be replaced by any other standard. Comments to reach Standards South Africa before closing date. Please address comments to the Standards Information Centre, AG19, for attention Ingrid Rossouw or ingrid@sabs.co.za
NOTE: All other standards referring to the standards listed below will be amended to take into account the withdrawal, once approved.

SANS 1262 (SABS 1262) (1979) (2007-08-14)

Volumetric measures for use in cookery

Covers requirements for the materials and construction of liquid measures, dry measures and measuring spoons for use in cookery.

Ed 1 A4 21p EN Gr 9 ICS 17.060; 97.040.60
PDF 21p EN

Reason for withdrawal: Standard has become obsolete. No copies sold since 2002, no mark holders and no interest from industry

Other standards that reference this standard:

SANS 5149 (SABS SM 149) (1975) (2007-08-14)

Paints and varnishes - Determination of resistance to skinning

Specifies a method for the determination of the resistance to skinning of paint, varnish and lacquer.

Ed 2 A5 1p EN Gr 1 ICS 87.040
Loose-leaf
PDF 1p EN

Am 1, 1995-07-03

Reason for withdrawal: The standard has become obsolete

Other standards that reference this standard:

SANS 684 (SABS 684) (1972) ;

SANS 5157 (SABS SM 157) (1975) (2007-08-14)

Resistance to humidity of paint films

Specifies a method for the determination of the resistance to humidity of paint films.

Ed 2 A5 2p EN Gr 1 ICS 87.040
Loose-leaf
PDF 2p EN

Reason for withdrawal: The standard has become obsolete

Other standards that reference this standard:

SANS 926 (SABS 926) (1968) ; SANS 1438-4 (SABS 1438-4) (1987) ; SANS 1345 (SABS 1345) (1981) ; SANS 1530-1 (SABS 1530-1) (1991) ;

SANS 5166 (SABS SM 166) (1978) (2007-08-14)

Absorption value of paints

Specifies a method for the determination of the absorption value of paints, when the paint is absorbed by filter paper.

Ed 3 A5 1p EN Gr 1 ICS 87.040
Loose-leaf
PDF 1p EN

Reason for withdrawal: The standard has become obsolete

Other standards that reference this standard:

SANS 1416 (SABS 1416) (2005) ;

SANS 5505 (SABS SM 505) (1980) (2007-08-14)

Tension set of rubber electric cable dielectric and sheathing

Specifies a method for the determination of the tension set of rubber electric cable dielectric and sheathing

Ed 2 A5 3p EN Gr 2 ICS 29.035.20
Loose-leaf
PDF 3p EN

Reason for withdrawal: The test method is no longer used or required

Other standards that reference this standard:

SANS 5503 (SABS SM 503) (1980) ; SANS 1018 (SABS 1018) (2001) ;

Standards - To be withdrawn

The standards in this list are not intended to be replaced by any other standard. Comments to reach Standards South Africa before closing date. Please address comments to the Standards Information Centre, AG19, for attention Ingrid Rossouw or ingrid@sabs.co.za
NOTE: All other standards referring to the standards listed below will be amended to take into account the withdrawal, once approved.

SANS 5559 (SABS SM 559) (2001) (2007-08-14)

Electrical resistance test on copper bar, rod, strip, sheet or tube

Specifies a method for the determination of the electrical resistance of copper bar, rod, strip, sheet or tube.

Ed 2.01 A4 3p EN Gr 3 ICS 77.040.99; 19.080
PDF 3p EN

Am 1, 2001-01-19

Reason for withdrawal: The test method is no longer used or required

Other standards that reference this standard:

SANS 200 (SABS 200) (1972) ;

SANS 5769 (SABS SM 769) (1978) (2007-08-14)

Cleanliness of blast-cleaned steel surfaces for painting (assessed by freedom from dust and debris)

Specifies a method for the assessment, by freedom from dust and debris, of the cleanliness of blast-cleaned steel surfaces for painting.

Ed 1 A5 2p EN Gr 1 ICS 77.140.01; 87.020; 25.220.10
Loose-leaf
PDF 2p EN

Reason for withdrawal: The standard has become obsolete

Other standards that reference this standard:

SANS 1200 HC (SABS 1200 HC) (1988) ; SANS 1217 (SABS 1217) (2001) ; PIESA 1102 (PIESA 1102) (2004) ;

SANS 10332 (SABS 0332) (1998) (2007-08-14)

Homologation of tyres

Covers general provisions for the homologation of tyres for motor vehicles, as covered by the compulsory specifications for motor vehicles promulgated under the Standards Act, 1993 (Act 29 of 1993).

Ed 1 A4 8p EN Gr 7 ICS 83.160.10
PDF 8p EN

Reason for withdrawal: There is no further need for the standard since the essence of the standard has been captured in other formal documents

Other standards that reference this standard:

Standards - Projects Approved

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

SANS 31 (SABS EN 10204) (2007-05-18)

Metallic products - Types of inspection documents

Ed 2 7 ICS 77.140.01

EN 10204:2004, idt

SANS 351 (2007-05-18)

Rolling bearings - Static load ratings

Ed 2 ICS 21.100.20

ISO 76:2006, idt

SANS 363 (2007-05-18)

Plain bearings - Testing of bearing metals - Resistance to corrosion by lubricants under static conditions

Ed 2 ICS 21.100.10

ISO 10129:2006, idt

SANS 476 (2007-05-25)

Industrial trucks - Overhead guards - Specification and testing

Ed 1 ICS

ISO 6055:2004, idt

SANS 484 (2007-05-18)

Splicing of general purpose textile-reinforced and fire retardant multiply conveyor belting

Ed 1 ICS 53.040.20; 73.100.40

SANS 485 (2007-05-18)

Splicing of steel cord reinforced conveyor belting

Ed 1 ICS 53.040.20

SANS 486 (2007-05-18)

Splicing of solid woven construction conveyor belting

Ed 1 ICS

SANS 614 (2007-05-04)

On-board recording equipment for motor vehicles

Ed 1 ICS 03.220.20; 35.160

SANS 620 (2007-05-04)

Centralized blasting systems for mines

Ed 1 ICS 29.260.20; 71.100.30

SANS 888 (SABS 888) (2007-05-25)

Interlining

Ed 3 6 ICS 59.080.30

SANS 1177 (SABS 1177) (2007-05-25)

Terry jacquard articles

Ed 2 6 ICS 97.160

SANS 1213 (SABS 1213) (2007-05-25)

Mechanical cable glands

Ed 2 ICS 29.100.20

SANS 1408 (SABS 1408) (2007-05-25)

Mechanical components for tendon based rock support systems

Ed 3 ICS 21.060.10; 21.060.20

SANS 1585 (SABS 1585) (2007-05-25)

Coated fabrics for shelters and rainwear

Ed 2 7 ICS 59.080.40

SANS 1613 (SABS 1613) (2007-05-25)

Warp-knitted terry towelling fabric and articles

Ed 2 ICS 59.080.30; 97.160

SANS 1654 (SABS 1654) (2007-05-18)

D.c.-powered (battery-operated) machines for use in hazardous locations as defined in SANS 10108

Ed 2 ICS 29.260.20

SANS 3001-GR2 (2007-05-18)

Civil engineering test methods Part GR2: Dry preparation and dry particle size analysis of graded materials

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

SANS 3001-PR2 (2007-05-18)

Civil engineering test methods Part PR2: Determination of the average least dimension of aggregates by computation

Ed 1 ICS

SANS 3534-2 (2007-05-04)

Statistics - Vocabulary and symbols Part 2: Applied statistics

Ed 2 17 ICS 01.040.03; 01.075; 03.120.30

ISO 3534-2:2006, idt

SANS 4898 (2007-05-18)

Rigid cellular plastics - Thermal insulation products for buildings - Specifications

Ed 1 ICS 83.100; 91.100.60

ISO 4898:2006, idt

SANS 5057 (2007-05-25)

Industrial trucks - Inspection and repair of fork arms in service on fork-lift trucks

Ed 1 6 ICS

ISO 5057:1993, idt

SANS 7752-3 (2007-05-04)

Cranes - Controls - Layout and characteristics Part 3: Tower cranes

Ed 1 6 ICS 53.020.20

ISO 7752-3:1993, idt

SANS 8566-3 (2007-05-04)

Cranes - Cabins Part 3: Tower cranes

Ed 1 6 ICS 53.020.20

ISO 8566-3:1992, idt

SANS 8686-3 (2007-05-18)

Cranes - Design principles for loads and load combinations Part 3: Tower cranes

Ed 1 7 ICS

ISO 8686-3:1998, idt

SANS 9374-3 (2007-05-04)

Cranes - Information to be provided for enquiries, orders, offers and supply Part 3: Tower cranes

Ed 1 9 ICS 53.020.20

ISO 9374-3:2002, idt

SANS 9628 (2007-05-18)

Rolling bearings - Insert and eccentric locking collars - Boundary dimensions and tolerances

Ed 2 ICS 21.100.20

ISO 9628:2006, idt

SANS 9926-3 (2007-05-04)

Cranes - Training of drivers Part 3: Tower cranes

Ed 1 7 ICS 53.020.20; 03.100.30

ISO 9926-3:2005, idt

SANS 9942-3 (2007-05-04)

Cranes - Information labels Part 3: Tower cranes

Ed 1 6 ICS 53.020.20

ISO 9942-3:1999, idt

SANS 10282 (SABS 0282) (2007-05-25)

Maintenance of helmet light assemblies

Ed 2 ICS 73.100.20

SANS 10328 (SABS 0328) (2007-05-04)

Methods for environmental noise impact assessments

Ed 3 ICS 17.140.01

SANS 10335 (SABS 0335) (2007-05-18)

The installation, maintenance and safe use of overhead monorail transport systems for underground use

Ed 2 ICS 03.220.30; 93.100

SANS 10594 (2007-05-18)

Micrographics - Rotary camera systems - Test target for checking performance

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

SANS 10972-3 (2007-05-04)

Cranes - Requirements for mechanism Part 3: Tower cranes

Ed 1 9 ICS 53.020.20

ISO 10972:2003, idt

SANS 11660-1 (2007-05-04)

Cranes - Access, guards and restraints Part 1: General

Ed 1 7 ICS 53.020.20

ISO 11660-1:1999, idt

SANS 11660-3 (2007-05-18)

Cranes - Access, guards and restraints Part 3: Tower cranes

Ed 1 ICS

ISO 11660-3:1999, idt

SANS 12029 (2007-05-18)

Electronic imaging - Forms design optimization for electronic image management

Ed 1 10 ICS

ISO/TS 12029:2007, idt

SANS 12480-3 (2007-05-04)

Cranes - Safe use Part 3: Tower cranes

Ed 1 11 ICS 53.020.20

ISO 12480-3:2005, idt

SANS 12485 (2007-05-04)

Tower cranes - Stability requirements

Ed 1 6 ICS 53.020.20

ISO 12485:1998, idt

SANS 13563-1 (2007-05-25)

Single side loading fork-lift trucks Part 1: Stability tests

Ed 1 ICS

ISO 13563-1:2001, idt

SANS 13563-2 (2007-05-25)

Single side loading fork-lift trucks Part 2: Additional stability tests for trucks handling freight containers of 6 m length and above

Ed 1 ICS

ISO 13563-2:2001, idt

SANS 15794 (2007-05-25)

Bi-directional and multi-directional fork-lift trucks - Stability tests

Ed 1 ICS

ISO 15794:2001, idt

SANS 15870 (2007-05-25)

Powered industrial trucks - Safety signs and hazard pictorials - General principles

Ed 1 ICS

ISO 15870:2000, idt

SANS 16422 (2007-05-18)

Pipes and joints made of oriented unplasticized poly(vinyl chloride) PVC-O for the conveyance of water under pressure - Specifications

Ed 1 ICS

ISO 16422:2006, idt

SANS 21003-1 (2007-05-18)

Multilayer piping systems for hot and cold water installations inside buildings Part 1: General

Ed 1 ICS

SANS 21003-2 (2007-05-18)

Multilayer piping systems for hot and cold water installations inside buildings Part 2: Pipes

Ed 1 ICS

SANS 21003-3 (2007-05-18)

Multilayer piping systems for hot and cold water installations inside buildings Part 3: Fittings

Ed 1 ICS

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

SANS 21003-5 (2007-05-18)

Multilayer piping systems for hot and cold water installations inside buildings Part 5: Fitness for purpose of the system

Ed 1 ICS

SANS 22003 (2007-05-18)

Food safety management systems - Requirements for bodies providing audit and certification of food safety management systems

Ed 1 ICS

ISO/TS 22003:2007, idt

SANS 24537 (2007-05-18)

Micrographics - Dimensions for reels used for 16 mm and 35 mm microfilm

Ed 1 6 ICS

ISO 24537:2007, idt

SANS 52122 (2007-05-18)

Chemicals used for treatment of water intended for human consumption - Ammonia solution

Ed 1 9 ICS

EN 12122:2005, idt

SANS 52485 (2007-05-18)

Chemicals used for treatment of water intended for human consumption - Calcium carbonite, high-calcium lime and half-burnt dolomite - Test methods

Ed 1 13 ICS

EN 12485:2001, idt

SANS 52672 (2007-05-18)

Chemicals used for treatment of water intended for human consumption - Potassium permanganate

Ed 1 9 ICS

EN 12672:2000, idt

SANS 60034-25 (2007-05-18)

Rotating electrical machines Part 25: Guide for the design and performance of cage induction motors specifically designed for converter supply

Ed 2 14 ICS 29.160.30

IEC/TS 60034-25:2007, idt

SANS 60079-2 (SABS IEC 60079-2) (2007) (2007-05-04)

Explosive atmospheres Part 2: Equipment protection by pressurized enclosures <<p>>

Ed 3 13 ICS 29.260.20

IEC 60079-2:2007, idt

Revision of SANS 60079-2:2001 (SABS IEC 60079-2)

SANS 60730-2-10 (2007-05-04)

Automatic electrical controls for household and similar use Part 10: Particular requirements for motor-starting relays

Ed 1 9 ICS 29.120.70; 97.120

IEC 60730-2-10:2006, idt

SANS 60730-2-12 (2007-05-04)

Automatic electrical controls for household and similar use Part 12: Particular requirements for electrically operated door locks

Ed 1 10 ICS 97.120

IEC 60730-2-12:2005, idt

SANS 60730-2-13 (2007-05-18)

Automatic electrical controls for household and similar use Part 2-13: Particular requirements for humidity sensing controls

Ed 1 10 ICS 97.120

IEC 60730-2-13:2006, idt

SANS 60730-2-14 (2007-05-04)

Automatic electrical controls for household and similar use Part 14: Particular requirements for electric actuators

Ed 1.01 10 ICS

IEC 60730-2-14:2001, idt

SANS 60730-2-15 (2007-05-04)

Automatic electrical controls for household and similar use Part 15: Particular requirements for electrical water level sensing controls of the float or electrode-sensor type used in boiler applications

Ed 1.01 10 ICS

Standards - Projects Approved

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

SANS 60730-2-16 (2007-05-04)

Automatic electrical controls for household and similar use Part 16: Particular requirements for automatic electrical water level operating controls of the float type for household and similar applications

Ed 1.02 10 ICS

IEC 60730-2-16:2001, idt

SANS 60730-2-17 (2007-05-04)

Automatic electrical controls for household and similar use Part 17: Particular requirements for electrically operated gas valves including mechanical requirements

Ed 1.01 12 ICS

IEC 60730-2-17:2001, idt

SANS 60730-2-18 (2007-05-04)

Automatic electrical controls for household and similar use Part 18: Particular requirements for electrical water and air flow sensing controls, including mechanical requirements

Ed 1 11 ICS 97.120

IEC 60730-2-18:1997, idt

SANS 60730-2-19 (2007-05-04)

Automatic electrical controls for household and similar use Part 19: Particular requirements for electrically operated oil valves including mechanical requirements

Ed 1.01 11 ICS

IEC 60730-2-19:2001, idt

SANS 61347-1 (SABS IEC 61347-1) (2007-05-04)

Lamp controlgear Part 1: General and safety requirements

Ed 2 ICS 29.140.99

IEC 61347-1:2007, idt

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

2007-06-05

For more information on any of these draft standards, contact:

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SANS 18-3 (2007-05-23)**Information technology - Security techniques - Hash-functions Part 3: Dedicated hash-functions**

Specifies dedicated hash-functions, i.e., specially designed hash-functions. The hash-functions in this part of ISO/IEC 10118 are based on the iterative use of a round-function. Also specifies seven distinct round-functions, giving rise to distinct dedicated hash-functions.

Ed 2 ICS 35.040

ISO/IEC 10118-3:2004, idt

Closing Date: 2007-07-05

SANS 31 (SABS EN 10204) (2007-05-31)**Metallic products - Types of inspection documents**

Specifies the different types of inspection documents supplied to the purchaser, in accordance with the requirements of the order, for the delivery of all metallic products e.g. plates, sheets, bars, forgings, castings, whatever their method of production. This document is used in conjunction with the product specifications which specify the technical delivery conditions of the products.

Ed 2 ICS 77.140.01

EN 10204:2004, idt

Closing Date: 2007-07-04

SANS 216-1-4 (2007-05-14)**Specification for radio disturbance and immunity measuring apparatus and methods Part 1-4: Radio disturbance and immunity measuring apparatus - Ancillary equipment - Radiated disturbances**

Specifies the characteristics and performance of equipment for the measurement of radiated disturbances in the frequency range 9 kHz to 18 GHz. Specifications for ancillary apparatus are included for antennas and test sites, TEM cells, and reverberating chambers.

Ed 2 ICS 17.220.20; 33.100.20

CISPR 16-1-4:2007, idt

Closing Date: 2007-06-25

SANS 305 (2007-05-15)**Winged infusion sets (sterile-packed for single use)**

Specifies requirements for sterilized single-use winged infusion sets for continuous and intermittent intravenous use. Addresses requirements for each component of a set.

Ed 1 ICS 11.040.25

Closing Date: 2007-06-13

SANS 888 (SABS 888) (2007-05-28)**Interlining**

Covers the requirements for four types of haircloth and one type of cellulosic (or other fibre) interlining suitable for use in the manufacture of uniforms, civilian suits and neckties.

Ed 3 ICS 59.080.30

Closing Date: 2007-06-28

SANS 913 (SABS 913) (2007-05-28)**Springspikes for light rails**

Ed 3 ICS 21.060.99; 45.080

Closing Date: 2007-07-30

SANS 914 (SABS 914) (2007-05-28)**Fishplates for light rails**

Ed 3 ICS 21.060.99; 45.080

Closing Date: 2007-07-30

SANS 915 (SABS 915) (2007-05-28)**Coach screws for light rails**

Ed 3 ICS 21.060.10; 45.080

Closing Date: 2007-07-30

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

2007-06-05

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SANS 916 (SABS 916) (2007-05-28)**Fishbolts and nuts for light rails**

Ed 3

ICS 21.060.10; 21.060.20

Closing Date: 2007-07-30

SANS 917 (SABS 917) (2007-05-28)**Dogspikes for light rails**

Ed 3

ICS 21.060.99; 45.080

Closing Date: 2007-07-30

SANS 1177 (SABS 1177) (2007-05-25)**Terry jacquard articles**

Covers requirements for woven terry jacquard face-cloths, towels and bath mats suitable for domestic and institutional use.

Ed 2

ICS 97.160

Closing Date: 2007-06-24

SANS 1430 (SABS 1430) (2007-05-07)**Anchorage for restraining devices in motor vehicles**

Ed 1.02

ICS 43.040.80

Closing Date: 2007-07-06

SANS 1585 (SABS 1585) (2007-05-25)**Coated fabrics for shelters and rainwear**

Specifies the characteristics of four types of coated fabric suitable for use in the manufacture of shelters, rainwear, groundsheets and military equipment.

Ed 2

ICS 59.080.40

Closing Date: 2007-06-22

SANS 1600 (SABS 1600) (2007-05-21)**Permitted electric detonators**

The standard specifies the characteristics of two types of electric detonators, instantaneous and delay, for use in fiery mines. It does not cover electronic detonators or permitted detonators of any other type.

Ed 2

ICS 29.260.20

Closing Date: 2007-07-27

SANS 1918 (2007-05-01)**Needleless connectors (sterile-packed for single patient use)**

Covers requirements for needleless connectors, sterile packed for single patient use, for use with 6 % Luer mating systems, intended for general medical use with blood, blood derivatives and fluids other than blood. It does not cover connectors with elastomeric diaphragms intended for use with hypodermic needles nor split-septum needleless connectors.

Ed 1

ICS 11.040.20

Closing Date: 2007-06-29

SANS 3534-2 (2007-05-14)**Statistics - Vocabulary and symbols Part 2: Applied statistics**

Defines applied statistics terms, and expresses them in a conceptual framework in accordance with ISO normative terminology practice. Term entries are arranged thematically. An alphabetical index is provided. Standardized symbols and abbreviations are defined.

Ed 2

ICS 01.040.03; 01.075; 03.120.30

ISO 3534-2:2006, idt

Closing Date: 2007-06-11

SANS 5247 (SABS SM 247) (2007-05-22)**Textiles - Nep count of cotton wool**

Specifies a method for determining the number of neps that are present in a sample of cotton wool.

Ed 4

ICS 59.060.10

Closing Date: 2007-06-22

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

2007-06-05

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SANS 5326 (SABS SM 326) (2007-05-25)**Skein strength and tenacity, and linear density of spun textile yarns on packages**

Specifies a method for the determination of the skein strength and tenacity, and linear density of spun textile yarns on packages.

Ed 3 ICS 59.080.20

Closing Date: 2007-06-24

SANS 7752-3 (2007-05-10)**Cranes - Controls - Layout and characteristics Part 3: Tower cranes**

Specifies the particular requirements for controls for tower cranes as defined in ISO 4306-1 and ISO 4306-3 and the arrangement of basic controls used for positioning loads. Applies to the controls of tower cranes for building and general construction work that can be dismantled, permanently erected tower cranes, hammerhead cranes, dockside and shipbuilders' tower cranes. Does not apply to the controls of power-driven mobile jib cranes which may be fitted with a tower attachment, erection masts, with or without jibs.

Ed 1 ICS 53.020.20

ISO 7752-3:1993, idt

Closing Date: 2007-06-08

SANS 7816-13 (2007-05-08)**Identification cards - Integrated circuit cards - Part 13: Commands for application management in a multi-application environment**

Specifies commands for application management in a multi-application environment. These commands cover the entire life cycle of applications in a multi-application integrated circuit card, and the commands can be used before and after the card is issued to the cardholder. Does not cover the implementation within the card and/or the outside world.

Ed 1 ICS 35.240.15

ISO/IEC 7816-13:2007, idt

Closing Date: 2007-06-07

SANS 8566-3 (2007-05-10)**Cranes - Cabins Part 3: Tower cranes**

Specifies the requirements for cabins for tower cranes, as defined in ISO 4306-3. The general requirements for cabins for cranes, as defined in ISO 4306-1, are given in ISO 8566-1. Specifies the main characteristics of the control station which may be provided instead of a cabin.

Ed 1 ICS 53.020.20

ISO 8566-3:1992, idt

Closing Date: 2007-06-08

SANS 8686-3 (2007-05-24)**Cranes - Design principles for loads and load combinations Part 3: Tower cranes**

Ed 1 ICS

ISO 8686-3:1998, idt

Closing Date: 2007-06-22

SANS 9374-3 (2007-05-10)**Cranes - Information to be provided for enquiries, orders, offers and supply Part 3: Tower cranes**

Specifies information to be provided

- a) by the purchaser when enquiring for a tower crane;
- b) by the purchaser when ordering a tower crane;
- c) by a manufacturer when offering (tendering) for a tower crane; and
- d) by the manufacturer when supplying a tower crane.

Ed 1 ICS 53.020.20

ISO 9374-3:2002, idt

Closing Date: 2007-06-08

SANS 9926-3 (2007-05-10)**Cranes - Training of drivers Part 3: Tower cranes**

Covers the specific subjects considered necessary for training tower crane drivers.

Ed 1 ICS 53.020.20; 03.100.30

ISO 9926-3:2005, idt

Closing Date: 2007-06-08

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

2007-06-05

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SANS 9942-3 (2007-05-10)**Cranes - Information labels Part 3: Tower cranes**

Gives minimum requirements concerning information labels for tower cranes.

Ed 1 ICS 53.020.20

ISO 9942-3:1999, idt

Closing Date: 2007-06-08

SANS 10354 (SABS 0354) (2007-05-30)**The safe application of underground railway driven and non-driven wheel sets**

Ed 2 ICS 45.060.01

Closing Date: 2007-07-30

SANS 10404 (2007-05-30)**The design and safe use of underground mine rolling stock**

Ed 2 ICS 45.060.01; 29.280

Closing Date: 2007-07-30

SANS 10594 (2007-05-24)**Micrographics - Rotary camera systems - Test target for checking performance**

Ed 1 ICS

ISO 10594:2006, idt

Closing Date: 2007-06-25

SANS 10972-3 (2007-05-10)**Cranes - Requirements for mechanism Part 3: Tower cranes**

Establishes requirements which apply specifically to the mechanisms and related components of tower cranes, in addition to the general requirements given in ISO 10972-1. These additional requirements concern

- a) the arrangement, features and characteristics of the crane mechanisms, and
- b) the minimum requirements for certain mechanism components.

Rules for the proof of competence calculation regarding different limit states (yield strength, fatigue, wear) are

excluded from this part of ISO 10972. Is not applicable to the climbing mechanisms and related components used on tower cranes, nor to the climbing frame.

Ed 1 ICS 53.020.20

ISO 10972:2003, idt

Closing Date: 2007-06-08

SANS 11660-1 (2007-05-10)**Cranes - Access, guards and restraints Part 1: General**

Establishes the general requirements for access to control stations and other areas of cranes, as defined in ISO 4306-1, during normal operation, maintenance, inspection, erection and dismantling. Guards and restraints are also dealt with in general, regarding the protection of persons on or near the crane as related to moving parts, falling objects or live parts. The particular requirements relating to access, guards and restraints for the various types of cranes and lifting appliances are given in the other parts of ISO 11660. In some cases, the particular requirements may not comply with the general requirements. Different dimensions are allowed provided an equivalent degree of protection is achieved.

Ed 1 ICS 53.020.20

ISO 11660-1:1999, idt

Closing Date: 2007-06-08

SANS 11660-3 (2007-05-24)**Cranes - Access, guards and restraints Part 3: Tower cranes**

Establishes the general requirements for access to control stations and other areas of a crane, as defined in ISO 4306-1, during normal operations, maintenance, inspection, erection and dismantling. Guards and restraints are also dealt with in general, regarding the protection of persons on or near the crane in relation to moving parts, falling objects or live parts. Establishes the particular requirements relating to access, guards and restraints for tower cranes as defined in ISO 4306-1.

Ed 1 ICS

ISO 11660-3:1999, idt

Closing Date: 2007-06-22

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SANS 12029 (2007-05-24)**Electronic imaging - Forms design optimization for electronic image management**

Ed 1 ICS

ISO/TS 12029:2007, idt

Closing Date: 2007-06-25

SANS 12480-3 (2007-05-10)**Cranes - Safe use Part 3: Tower cranes**

Establishes required practices for the safe use of tower cranes. It is intended to be used in conjunction with ISO 12480-1. Subjects covered include safe systems of work, management, planning, selection, erection and dismantling, special base, operation and maintenance of cranes and the selection of drivers, slingers and signallers. Does not cover manually (non-powered) operated cranes, or cranes in which at least one of its motions is manually operated.

Ed 1 ICS 53.020.20

ISO 12480-3:2005, idt

Closing Date: 2007-06-08

SANS 12485 (2007-05-10)**Tower cranes - Stability requirements**

Specifies the conditions to be met when verifying, by calculation, the stability of a tower crane, as defined in ISO 4306-3, that is subject to tipping and drifting; it assumes that the crane is standing on a firm, level supporting surface or track.

Ed 1 ICS 53.020.20

ISO 12485:1998, idt

Closing Date: 2007-06-08

SANS 19795-2 (2007-05-08)**Information technology - Biometric performance testing and reporting Part 2: Testing methodologies for technology and scenario evaluation**

Provides requirements and recommendations on data collection, analysis and reporting specific to two primary types of evaluation: technology evaluation and scenario evaluation. Specifies requirements in the development and full description of protocols for technology and scenario evaluations and execution and reporting of biometric evaluations reflective of the parameters associated with biometric evaluation types.

Ed 1 ICS 35.040

ISO/IEC 19795-2:2007, idt

Closing Date: 2007-06-07

SANS 20059 (2007-05-22)**Uniform provisions concerning the approval of replacement silencing systems**

Covers replacement silencing systems for vehicles of category M1 and N1.

Ed 1 ICS 43.060.20

ECE R59:1983, idt

Closing Date: 2007-06-26

SANS 24535 (2007-05-26)**Intelligent transport systems - Electronic vehicle identification for law enforcement - Passive RFID systems**

Ed 1 ICS 03.220.20; 35.240.60

Closing Date: 2007-07-26

SANS 24537 (2007-05-24)**Micrographics - Dimensions for reels used for 16 mm and 35 mm microfilm**

Ed 1 ICS

ISO 24537:2007, idt

Closing Date: 2007-06-25

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SANS 24709-1 (2007-05-08)**Information technology - Conformance testing for the biometric application programming interface (BioAPI) Part 1: Methods and procedures**

Specifies the concepts, framework, test methods and criteria required to test conformity of biometric products claiming conformance to BioAPI (ISO/IEC 19784-1)(ISO/IEC 19784-1 was published in South Africa as an identical adoption under the designation SANS 19784-1:2007). Guidelines for specifying BioAPI conformance test suites, writing test assertions and defining procedures to be followed during the conformance testing are provided.

Ed 1 ICS 35.040

ISO/IEC 24709-1:2007, idt

Closing Date: 2007-06-07

SANS 24709-2 (2007-05-08)**Information technology - Conformance testing for the biometric application programming interface (BioAPI) Part 2: Test assertions for biometric service providers**

Defines a number of test assertions written in the assertion language specified in ISO/IEC 24709-1 (published in South Africa as an identical adoption under the designation SANS 24709-1). These assertions enable a user of this standard (such as a testing laboratory) to test the conformance to ISO/IEC 19784-1 (published in South Africa as an identical adoption under the designation SANS 19784-1) (BioAPI 2.0) of any biometric service provider (BSP) that claims to be a conforming implementation of that International Standard. Each test assertion specified in this standard exercises one or more features of an implementation under test. Assertions are placed into packages (one or more assertions per package) as required by the assertion language. These assertions allow for testing conformance of BSPs of all conformance subclasses, and are further organized according to conformance subclasses and claimed support of optional features.

Ed 1 ICS 35.040

ISO/IEC 24709-2:2007, idt

Closing Date: 2007-06-07

SANS 52122 (2007-05-23)**Chemicals used for treatment of water intended for human consumption - Ammonia solution**

Ed 1 ICS

EN 12122:2005, idt

Closing Date: 2007-06-27

SANS 52485 (2007-05-23)**Chemicals used for treatment of water intended for human consumption - Calcium carbonite, high-calcium lime and half-burnt dolomite - Test methods**

Ed 1 ICS

EN 12485:2001, idt

Closing Date: 2007-06-27

SANS 52672 (2007-05-23)**Chemicals used for treatment of water intended for human consumption - Potassium permanganate**

Ed 1 ICS

EN 12672:2000, idt

Closing Date: 2007-06-27

SANS 60384-14 (SABS IEC 60384-14) (2007-05-02)**Fixed capacitors for use in electronic equipment Part 14: Sectional specification - Fixed capacitors for electromagnetic interference suppression and connection to the supply mains**

Applies to capacitors and resistor-capacitor combinations which will be connected to an a.c. mains or other supply with nominal voltage not exceeding 1 000 V a.c. (r.m.s.) or 1 000 V d.c. and with a nominal frequency not exceeding 100 Hz.

Ed 2 ICS 31.060.10

IEC 60384-14:2005, idt

Closing Date: 2007-06-12

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2007-06-05

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SANS 60384-14-1 (SABS IEC 60384-14-1) (2007-05-02)

Fixed capacitors for use in electronic equipment Part 14-1: Blank detail specification: Fixed capacitors for electromagnetic interference suppression and connection to the supply mains - Assessment level D

Covers requirements for fixed capacitors for electromagnetic interference suppression and connection to the supply mains. It contains requirements for style, layout and minimum content of the detail specification.

Ed 2 ICS 31.060.10

IEC 60384-14-1:2005, idt

Closing Date: 2007-06-12

SANS 60730-2-2 (2007-05-22)

Automatic electrical controls for household and similar use Part 2-2: Particular requirements for thermal motor protectors

Applies to the partial evaluation of thermal motor protectors for household and similar use, including heating, air conditioning and similar applications.

Ed 1.01 ICS 97.120

IEC 60730-2-2:2005, idt

Closing Date: 2007-06-22

Amendment Closing Date: 2007-06-22

SANS 60730-2-3 (2007-05-22)

Automatic electrical controls for household and similar use Part 2-3: Particular requirements for thermal protectors for ballasts for tubular fluorescent lamps

Applies to the evaluation of thermal protectors for ballasts for tubular fluorescent lamps. Also applies to thermal protectors using negative temperature coefficient (NTC) or positive temperature coefficient (PTC) thermistors.

Ed 1 ICS 97.120

IEC 60730-2-3:2006, idt

Closing Date: 2007-06-22

SANS 60730-2-4 (2007-05-22)

Automatic electrical controls for household and similar use Part 2-4: Particular requirements for thermal motor protectors for motor-compressors of hermetic and semi-hermetic type

Applies to the partial evaluation of thermal motor protectors for sealed (hermetic and semi-hermetic type) motor-compressors. Also applies to thermal motor protectors for motor compressors using negative temperature coefficient (NTC) or positive temperature coefficient (PTC) thermistors.

Ed 1 ICS 97.120

IEC 60730-2-4:2006, idt

Closing Date: 2007-06-22

SANS 60730-2-5 (2007-05-22)

Automatic electrical controls for household and similar use Part 2-5: Particular requirements for automatic electrical burner control systems

Applies to automatic electrical burner control systems for automatic control of burners for oil, gas, coal or other combustibles for household and similar use including heating, air conditioning and similar use. It is also applicable to a complete burner control system and a separate programming unit, a separate electronic high-voltage ignition source, and a separate flame detector.

Ed 1.01 ICS 97.120

IEC 60730-2-5:2004, idt

Closing Date: 2007-06-22

SANS 60730-2-6 (2007-05-22)

Automatic electrical controls for household and similar use Part 2-6: Particular requirements for automatic electrical pressure sensing controls including mechanical requirements

Applies to automatic electrical pressure sensing controls with a minimum gauge pressure of -60 kPa and a maximum gauge pressure rating of 4.2 Mpa, for use in, on or in association with, equipment for household and similar use that may use electricity, gas oil, solid fuel, solar thermal energy, etc. or a combination thereof, including heating, air-conditioning and similar application.

Ed 1 ICS 97.120

IEC 60730-2-6:2007, idt

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SANS 60730-2-7 (2007-05-22)**Automatic electrical controls for household and similar use Part 2-7: Particular requirements for timers and time switches**

Applies to timers and time switches for household and similar use that may use electricity, gas oil, solid fuel, solar thermal energy, etc. or a combination thereof, including heating, air conditioning and similar application. It also applies to controls with a rated voltage not exceeding 660 V and a rated current not exceeding 63 A.

Ed 1 ICS 39.040.99

IEC 60730-2-7:1990, idt

Closing Date: 2007-06-22

SANS 60730-2-10 (2007-05-22)**Automatic electrical controls for household and similar use Part 10: Particular requirements for motor-starting relays**

Applies to control for automatically controlling the starting windings of single-phase motors associated with equipment for household and similar use. It also applies to motor-starting relays using NTC or PTC thermistors, and it applies to starting relays incorporating electronic devices and starting relays using thermistor element, thermal element and magnetic elements.

Ed 1 ICS 29.120.70; 97.120

IEC 60730-2-10:2006, idt

Closing Date: 2007-06-22

SANS 60730-2-12 (2007-05-22)**Automatic electrical controls for household and similar use Part 12: Particular requirements for electrically operated door locks**

Applies to control for electrically operated door locks intended to prevent the opening of doors in equipment for household and similar use. It also applies to door locks with electrical circuits and control circuits such as, operated by bimetal, magnet coils, memory metals, pressure elements, temperature-sensitive expansion elements or electronic elements.

Ed 1 ICS 97.120

IEC 60730-2-12:2005, idt

Closing Date: 2007-06-22

SANS 60730-2-14 (2007-05-29)**Automatic electrical controls for household and similar use Part 14: Particular requirements for electric actuators**

Applies to electric actuators for use in, on, or in association with equipment for household and similar use for heating, air-conditioning and ventilation. The equipment may use electricity, gas, oil, solid fuel, solar thermal energy, etc. or a combination thereof. It also applies to electric actuators using NTC or PTC thermistors, and electric actuators with a rated voltage not exceeding 690 V and with a current not exceeding 63 A.

Ed 1.01 ICS

IEC 60730-2-14:2001, idt

Closing Date: 2007-06-29

SANS 60730-2-15 (2007-05-29)**Automatic electrical controls for household and similar use Part 15: Particular requirements for electrical water level sensing controls of the float or electrode-sensor type used in boiler applications**

Applies to automatic electrical water level sensing controls of the float and electrode-sensor type for use in, on or in association with, boilers with a maximum pressure rating of 2 000 kPa (20 bar), for household and similar use.

Ed 1.01 ICS

IEC 60730-2-15:1997, idt

Closing Date: 2007-06-29

SANS 60730-2-16 (2007-05-29)**Automatic electrical controls for household and similar use Part 16: Particular requirements for automatic electrical water level operating controls of the float type for household and similar applications**

Applies to automatic electrical water level operating controls of float type for use in, on or in association with equipment for general household and similar use.

Ed 1.02 ICS

IEC 60730-2-16:2001, idt

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SANS 60730-2-17 (2007-05-29)**Automatic electrical controls for household and similar use Part 17: Particular requirements for electrically operated gas valves including mechanical requirements**

Applies to electrically operated gas valves for use in, on or in association with, equipment for general household and similar use that uses electricity, in combination with fuel in the gaseous state such as manufactured gas, natural or liquefied petroleum gas intended to be used for gas burning equipment. It also applies to electrically operated gas valves using NTC or PTC thermistors.

Ed 1.01

ICS

IEC 60730-2-17:2001, idt

Closing Date: 2007-06-29

SANS 60730-2-18 (2007-05-29)**Automatic electrical controls for household and similar use Part 18: Particular requirements for electrical water and air flow sensing controls, including mechanical requirements**

Applies to automatic electrical water and air flow sensing controls for use in, on or in association with equipment for household and similar use including controls for heating, air-conditioning and similar applications. The equipment may use electricity, gas, oil, solid fuel, solar thermal energy etc., or a combination thereof.

Ed 1

ICS 97.120

IEC 60730-2-18:1997, idt

Closing Date: 2007-06-29

SANS 60730-2-19 (2007-05-29)**Automatic electrical controls for household and similar use Part 19: Particular requirements for electrically operated oil valves including mechanical requirements**

Applies to electrically operated oil valves for use in, on or in association with equipment for general household and similar use that uses electricity, in combination with fuel in the liquid state such as distillates, residual fuels, etc. it also applies to electrically operated oil valves using NTC or PTC thermistors.

Ed 1.01

ICS

IEC 60730-2-19:2001, idt

Closing Date: 2007-06-29

SANS 60939-1 (SABS IEC 60939-1) (2007-05-04)**Complete filter units for electromagnetic interference suppression Part 1: Generic specification**

Relates to passive filter units for electromagnetic interference suppression for use within, or associated with, electronic or electrical equipment and machines.

Ed 2

ICS 31.160; 33.100.10

IEC 60939-1:2005, idt

Closing Date: 2007-06-14

SANS 61326-1 (2007-05-07)**Electrical equipment for measurement, control and laboratory use - EMC requirements Part 1: General requirements**

Specifies requirements for immunity and emissions regarding electromagnetic compatibility (EMC) for electrical equipment, operating from a supply or battery of less than 1 000 V a.c. or 1 500 V d.c. or from the circuit being measured.

Ed 1

ICS 33.100.01

IEC 61326-1:2005, idt

Closing Date: 2007-06-18

Standards World-Wide

This portion of SWW (Standards World-Wide) includes both electronic and printed news items 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 SABS Media Centre

ISO

IMPLEMENTING ISO 22000 FOOD SAFETY MANAGEMENT



ISO and the International Trade Centre (ITC) have just published a combined handbook and CD-ROM entitled *ISO 22000 Food Safety Management Systems - An easy-to-use checklist for small business - Are you ready ?* This multi-media publication is designed to make it easier for small and medium-sized enterprises (SMEs) in the food sector to reap the benefits of implementing an international food safety management system.

The ISO 22000:2005 *Food safety management systems - Requirements for any organisation in the food chain* standard itself incorporates the HACCP (Hazard Analysis and Critical Control Point) system for food hygiene. It further harmonizes the requirements for systematically managing safety in food supply chains on a worldwide basis. In addition the ISO 22000:2005 standard provides a single platform upon which more specific requirements formulated by local, regional or

international organisations like the British Retail Consortium (*BRC Global Standard – Food*) may be incorporated.

The checklist contained in *ISO 22000 Food Safety Management Systems - An easy-to-use checklist for small business - Are you ready ?* consists of thirteen parts and is essentially a list of questions covering the content of the ISO 22000:2005 standard. Working through the questions, in a step-by-step manner, makes it possible to determine the present status of an enterprise and helps with the identification of main areas for improvement. Depending on "yes" or "no" answers given to the checklist questions, the user is directed to the next stage, or to additional guidance. Each of the parts also gives an explanation of the ISO 22000:2005 requirements and guidance on how to incorporate them into a food safety management system geared to the needs of the user's enterprise. In addition *ISO 22000 Food Safety Management Systems - An easy-to-use checklist for small business - Are you ready ?* has a chapter identifying the linkages between ISO 9001:2000 and ISO 22000:2005 and a comprehensive list of web sites addressing food safety is also included.

The content of the handbook and the CD-ROM is the same, with the latter adding the advantages of electronic navigation, plus the possibility of automatically generating reports on the level of ISO 22000 maturity of the user's enterprise, based on the answers to the checklist questions.

(ISO Press Releases 5 June 2007 @ <http://www.iso.org>)

COPOLCO

CAN CONSUMERS RELY ON FAIR TRADE CLAIMS ?

ISO's Consumer Policy Committee COPOLCO met in Salvador de Bahia, Brazil on 23 May 2007 for its twenty-ninth plenary meeting and workshop. *Can Consumers Rely on Fair Trade Claims ?* was the theme of the COPOLCO's 2007 workshop and a variety of issues associated with value-based consumer purchasing were explored.

But what exactly is fair trade ? In a nutshell, fair trade aims to ensure decent compensation for producers of goods and services against a backdrop of trade liberalisation and fluctuating commodity prices. Fair trade also proposes a mechanism to raise living standards and protect the social welfare of workers and their families involved in fair trade production in the exporting countries, through such measures as guaranteed minimum prices and community development projects. In view of these commendable aims, consumers are increasingly willing to pay a premium for fair trade products. However, in return, they wish to understand better how the fair trade process works, how it relates to other kinds of ethical practices, and what labels on fair trade products mean. Notably, they wish to avoid "ethical washing" (false claims of adherence to fair trade practices).

Given the fast growth of the fair trade market and the proliferation of ethical trade labels, participants representing a variety of stakeholder groups at the COPOLCO 2007 workshop discussed concerns about transparency and accountability. They also debated the feasibility of international standards on fair trade that will clarify the issues and provide added value for fair trade labelling organisations, producers and retailers.

Consumers International (at <http://www.consumersinternational.org>) underscored the importance of providing consumers with clear information about claims so that they can make informed purchasing decisions. The need to promote fair trade and better recognition of fair trade organisations was also highlighted. In the end an agreement was reached at the COPOLCO 2007 workshop to establish a joint fact-finding group to include the participation of the International Fair Trade Association (at <http://www.ifat.org>), the Fairtrade Labelling Organisations International (at <http://www.fairtrade.net>), the International Social and Environmental Accreditation and Labelling Alliance (at <http://www.isealalliance.org>), Associacao Brasileira de Normas Tecnicas (at <http://www.abnt.org.br>), Association Francaise de Normalisation (at <http://www.afnor.org>) and other interested stakeholders. Pending funding, Consumers International made a provisional offer to host this activity. The agreement for further dialogue under the Consumers International umbrella was seen as a significant accomplishment, given the apparent opposition by the fair trade organisations to ISO standardization in this area.

Despite the misgiving about standardization, new work item proposals were approved at the COPOLCO 2007 workshop for the development of international standards for business-to-consumer electronic commerce transaction guidelines and for the establishment of effective compliance programmes to avoid inadvertent non-compliance with the law. In addition, it was agreed to advance a new work item proposal for a standard that would provide guidance on how organisations can obtain consumer and public interest stakeholder input. Participants noted that such a standard would be particularly relevant as ISO standardization has evolved to encompass multiple social policy areas such as environmental management, water and wastewater services, social responsibility and food safety management, which all call for active stakeholder engagement.

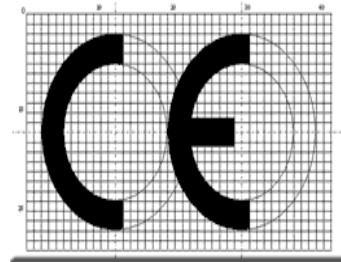
The COPOLCO 2008 plenary meeting and workshop and will be hosted by the Korean Agency for Technology and Standards (KATS) in Seoul, Korea

(ISO Consumer Issues COPOLCO Workshops 2007 @ <http://www.iso.org>)

CEN

EFTA STUDY ON THE MARKING OF PRODUCTS IN EUROPE

CE marking is one of the most visible signs of the application of the principle that a single testing or certification procedure should be accepted throughout the Internal Market. It has been established that consumers do recognise visible marks on products, resulting in an (indirect) demand for certification services. However many people perceive CE marking to be a mark of product quality when, in fact, this is not the case. CE marking a mandatory mark indicating that a product conforms to the provisions of all the applicable European Directives.



When it comes to marks that demonstrate the inherent quality of the product one regional example is the CEN 'Keymark'. This Keymark is voluntary in application and is used in the EU to indicate that a product is compliant with European standards. However, there are also many other national (for example, BSI's Kitemark®) and regional marks affixed to products that are subject to European harmonized technical requirements.

When the same product is put on the market in several European countries with different types of marking, this can result in multiple testing costs and/or multiple licence fees for the use of the marks. It is inevitable that placing several marks on a product will be more expensive than one single mark, thus increasing costs for manufacturing industries. This may, in some cases, be prohibitive for trade, particularly for SMEs. Furthermore, it may reduce the competitiveness of European manufacturing industries and add costs for European consumers.

To clarify this process EFTA (at <http://www.european-fair-trade-association.org>) has decided to carry out a study on marking schemes operating in representative national markets of selected EU and EFTA (European Fair Trade Association) countries. EFTA is an association of eleven "Fair Trade" importers in nine European countries, namely Austria, Belgium, France, Germany, Italy, The Netherlands, Spain, Switzerland and the United Kingdom. One of the main goals of EFTA is to recommend the best means for combining the free movement of goods in the Internal Market with the need for credible marking. The marking schemes study is being funded by EFTA and a final report is foreseen towards the end of 2007.

(CEN Networking June 2007 @ <http://www.cen.eu/cenorm/homepage.htm>)

ANSI

NATIONAL CONFORMITY ASSESSMENT PRINCIPLES UPDATED

A second edition of National Conformity Assessment Principles (NCAP) was published on 23 May 2007 articulating the principles for conformity assessment activities in the United States (US). This second edition builds on the original framework of the first edition published in 2002. The NCAP can be applied to all types of conformity assessment and is based on the conformity assessment language in the World Trade Organization Agreement on Technical Barriers to Trade (WTO TBT). The NCAP supplements the language of the WTO TBT Agreement to give additional clarity and focus to conformity assessment. The concise presentation of the principles in the NCAP is intended to promote national and international understanding and recognition of competently conducted conformity assessment processes resulting in increased acceptance of US products within national

and international markets. Global acceptance is vital to the continued economic health of the US, as well as to the protection of human health, safety and the environment.

Because standards underlie all conformity assessment activities, the NACP is intended to be a companion to the principles of the US standards system as described in the *United States Standards Strategy* published in 2005. These two documents should be considered together in the evaluation of standards and conformity assessment activities and related issues.

Conformity assessment includes sampling and testing, inspection, supplier's declaration of conformity, certification, and management system assessment and registration. It also includes accreditation of the competence of those activities by a third party and recognition (usually by a government agency) of an accreditation programme's capability. While each of these activities is a distinct operation, they are closely interrelated.

Conformity assessment activities also form a vital link between standards (which define the necessary characteristics or requirements) and the products themselves. Conformity assessment can verify that a particular product meets a given level of quality or safety. It can provide explicit or implicit information about the product's characteristics, the consistency of those characteristics and/or the performance of the product. Conformity assessment can also increase a buyer's confidence in a product, furnish useful information to a buyer and help to substantiate advertising and labeling claims. Information on conformance (or nonconformance) to a particular standard can provide an efficient method of conveying information needed by regulators or buyers on the product's safety and suitability.

As the global marketplace continues to evolve, buyers, regulators and suppliers will depend increasingly on standards and conformity assessment to assure that products fulfill specified requirements. Using the NACP as an aid to understanding the conformity assessment principles will assist stakeholders in their decision-making with regard to conformity assessment usage. In addition, such understanding will encourage stakeholders in conformity assessment to work towards harmonization of requirements and the global acceptance of all competently performed conformity assessments.

The *National Conformity Assessment Principles* (NACP) Second Edition and the *United States Standards Strategy* can be downloaded directly from the following web page : <http://publicaa.ansi.org/sites/apdl/Documents/Forms/AllItems.aspx>

(ANSI Public Documents May 2007 @ <http://www.ansi.org>)

ASTM

75 YEARS OF WATER QUALITY AND USAGE STANDARDIZATION

Since water is the source of all life, ensuring that water is fit for use is an essential activity in an increasingly polluted world. In the United States (US) ASTM Committee D19 on Water develops and maintains over three hundred standards and test methods for a variety of water uses. ASTM Committee D19 on Water includes the following Subcommittees : ASTM D19.02 General Specifications, Technical Resources and Statistical Methods; ASTM D19.03 Sampling Water and Water-Formed Deposits, Analysis of Water for Power Generation and Process Use, On-Line Water Analysis and Surveillance of Water; ASTM D19.04 Methods of Radiochemical Analysis; ASTM D19.05 Inorganic Constituents in Water; ASTM D19.06 Methods for Analysis for Organic Substances in Water; ASTM D19.07 Sediments, Geomorphology and Open-Channel Flow; ASTM D19.08 Membranes and Ion Exchange Materials and ASTM D19.24 Water Microbiology. ASTM Committee D19 also works closely with the US Environmental Protection Agency (ASTM D19.90.04 ASTM/EPA)

and serves as the US technical advisory group (ASTM D19.95 US TAG) to ISO/TC 147 on Water Quality.

ASTM Committee D19 is celebrating its 75th anniversary in this month so the May 2007 issue of *ASTM Standardization News* featured the work of ASTM Committee D19 in so far as it relates to water sampling, the analysis of organic compounds, creating measurement uncertainty protocols, round-robin studies for turbidity and measuring radioactivity.

In an article on water sampling standards, Charlie McDonough, Chairman of ASTM Subcommittee D19.03 on Sampling Water and Water-Formed Deposits, Analysis of Water for Power Generation and Process Use, On-Line Water Analysis and Surveillance of Water, writes that (European Fair Trade Association) was the end result of a merger of two ASTM Subcommittees in 1999. At the time of the merger, ASTM Subcommittee D19.03 was made responsible for forty-four standards relating to the sampling and/or analysis of water, water-formed deposits, water for power generation, industrial process water, on-line water analysis and water surveillance. Since 1999, a few obsolete standards have been withdrawn and new ones added. At present a total of forty-six standards (which take the form of test methods, practices and one guide) fall within the jurisdiction of ASTM Subcommittee D19.03 and there are three standards under development.

Fifteen of ASTM Subcommittee D19.03's test methods involve the on-line monitoring of a variety of parameters including pH, conductivity, oxygen, silica, sodium by specific ion electrode, dissolved and particulate metals by X-ray fluorescence, anions and carbon dioxide by conductivity anions by ion chromatography and turbidity. One method for the on-line determination of deposit forming impurities in steam provides four techniques including gravimetric, electrical conductivity, sodium tracer and silica. Three other methods present a variety of techniques for measuring total organic carbon and ASTM D 5544:2005 *Test Method for On-Line Measurement of Residue After Evaporation of High-Purity Water*, measures the µg/l and sub-µg/l level of the residue after evaporation of high purity water.

Then there are eight methods that utilise grab samples that are largely of interest to the control of water used in the power and process industries. Among these are methods for the determination of pH, conductivity, dissolved oxygen and hydrazine. Methods that are specific to monitoring the quality of high purity water include low level sodium in high purity water by graphite furnace, low level silica by flameless AA, trace anions by ion chromatography, and the measurement of pH in water of low conductivity.

Next is a group of five methods that do not determine the concentration of an analyte but do produce values and make measurements. One of these methods measures the corrosivity of water in the absence of heat transfer, while another measures the corrosion and fouling tendency of cooling water under heat transfer conditions. These methods are typically applied by the plant operators to monitor cooling water in power plants, manufacturing plants and oil refineries. The other three methods were developed for the operators of power plants to assist with the measurement of accumulated deposits on the steam generator tubes, and to measure the corrosivity and efficacy of solvent systems developed to remove the deposits. They are important to the operators of steam generators in both the power and manufacturing sectors as they do battle with the energy-robbing effects of accumulated deposits.

When it comes to standard practices, seven deal with sampling as well as the handling and conditioning of samples. This group of standards produced by ASTM Subcommittee D19.03 are among those most frequently referenced by other ASTM standards because they establish universally applicable practices for sampling and sample handling. One of these practices deals with the sampling of steam, another with sampling water from closed conduits and a third establishes the techniques that are necessary for effectively handling ultra-pure water samples. Taking samples for on-line or continual analysis places special requirements on the analyst and these are addressed by ASTM D 3864:2006 *Guide for Continual On-Line Monitoring Systems for Water Analysis* and ASTM D 5540:1994 *Practice*

for *Flow Control and Temperature Control for On-Line Water Sampling and Analysis*. Both of these standards are applicable to all on-line methods. Another practice, ASTM D 6301:2003 *Practice for the Collection of Samples of Filterable and Nonfilterable Matter in Water*, was also developed specifically for use with ASTM D 6502:1999 *Standard Test Method for On-Line Measurement of Low Level Particulate and Dissolved Metals in Water by X-Ray Fluorescence (XRF)*. ASTM D 6502:1999 is widely used by the power industry and is especially important to the nuclear power industry for on-line measuring corrosion product transport.

ASTM Subcommittee D19.03 practices also address the sampling, analysis and reporting water-formed deposits including ASTM D 887:1982 *Practices for Sampling Water-Formed Deposits* ASTM D 2331:1980 *Practices for the Preparation and Preliminary Testing of Water-Formed Deposits*, ASTM D 1245:1984 *Practice for Examination of Water-Formed Deposits by Chemical Microscopy* and ASTM D 933:1984 *Practice for Reporting Results of Examination and Analysis of Water-Formed Deposits*.

When it comes to water monitoring and control a number of practices have been developed by ASTM Subcommittee D19.03 specifically for industrial systems. There are practices that cover such topics as the measurement of cation conductivity, the assessment of the tendency of industrial boiler waters to cause embrittlement, the estimation of chlorine demand, the running of coagulation-flocculation jar tests, and even performing pressure in an in-line coagulation-flocculation-filtration test. One of the practices, ASTM D 1498:2000 *Practice for Oxidation-Reduction Potential of Water*, is currently being balloted as a test method.

Four of ASTM Subcommittee D19.03's newest standards all use on-line techniques to address the needs of a variety of industries to monitor and control operationally important parameters as follows:

- ASTM D 6504:2000 *Practice for On-Line Determination of Cation Conductivity in High Purity Water* is probably the single most widely used technique to monitor water quality all around the steam cycle. Samples of steam, condensate and feed water are routinely condensed where necessary and cooled as required to use this technique. Cation conductivity is used as part of the water quality monitoring package in virtually every power plant where steam pressures exceed 600 psi (41.3 bar), and in many power plants operating at lower pressures.
- ASTM D 6569:2005 *Test Method for On-Line Measurement of pH* is useful for every industry that monitors water anywhere in the plant, from the inlet to the outfall and all points in between.
- ASTM D 6698:2001 *Test Method for On-Line Measurement of Turbidity Below 5 NTU in Water* was developed as a collaborative effort because of an EPA mandate regarding the monitoring of potable water produced by filtration. The task group that developed this standard included representatives from the EPA, of instrument manufacturers, standards manufacturers and end users, including a major municipal water department.
- ASTM D 7126:2006 *Test Method for On-Line Colorimetric Measurement of Silica* was developed for the monitoring of silica in industrial systems.

In conclusion, Charlie McDonough highlights three standards currently under development dealing with the on-line measurement of turbidity above 2 NTU, dissolved ozone in water; and TOC in high purity water by conductivity detection. For more information on ASTM Subcommittee D19.03 visit the ASTM Committee D19 on Water at web page address <http://www.astm.org/cgi-bin/SoftCart.exe/COMMIT/COMMITTEE/D19.htm?E+mystore>

(ASTM Standardization News May 2007 @ <http://www.astm.org>)



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CHF 53.00

▶ MISC CENT-CHAL Ed. 1.0 (2006-12) [Preview](#)

International Standardization as a Strategic Tool

"International Standardization as a Strategic Tool", comprising the commended papers from the IEC Centenary Challenge. The IEC Centenary Challenge was a competition for papers on the economic, business and social impact of International Standards on business. It was organized in association with The Economist magazine and in partnership with three leading professional engineering bodies: the IET (Institute of Engineering and Technology); IEEE (Institute of Electrical and Electronics Engineers); and VDE, the German association for electrical, electronic and information technologies. The commended papers (in alphabetical order) included are:
"Architecture-based approaches to international standardization and evolution of business models" by Junjiro Shintaku, lead author; Koichi Ogawa, Tetsuo Yoshimoto, co-authors, The University of Tokyo - Manufacturing Management Research Center, Japan;
"Benefits of standardization in the microelectronics industries and their implications on nanotechnology and other innovative industries" by Werner Bergholz, lead author; Bettina Weiss, Carlos Lee, co-authors, International University Bremen, Germany;
"Do national standards hinder or promote trade in electrical products?" by Johannes Moenius, University of Redlands, USA;
"Industrial legislatures: The American system of standardization" by Andrew Russell, The Johns Hopkins University, USA;
"Measuring the performance of standard setting organizations" by Timothy S. Simcoe, lead author; Marc Rysman, co-author, The Joseph L. Rotman School of Management - University of Toronto, Canada;
"Standardization and business development: The global impact of the IOSA standards and the value of anticipation" by David Hodgkinson, The University of Western Australia, Australia;
"Standardization and patent pools: Using patent licensing to lead the market" by Hajime Yamada, Toyo University, Japan;
"Standardizing mesopic vision conditions and incidence on light sources science and technology" by Georges Zissis, lead author, Stuart Mucklejohn, co-author, Université Paul Sabatier - Toulouse III, France, Laboratoire des Plasmas et de Conversion de l'Energie - Team "Sources Intenses des Photons";
"Standards for business - How companies benefit from participation in international standards setting" by Dr.ir. Henk J. de Vries, RSM Erasmus University, The Netherlands;
"The entrepreneur and standards" by Ken Krechmer, lead author; Elaine Baskin, co-author; University of Colorado at Boulder, USA;
"The impacts of ICT standards: Three views" by Knut Blind, Fraunhofer ISI, Technische Universität Berlin, Germany.
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ELECTRICAL ENGINEERING

▶ IEC 60079-1 Ed. 6.0 (2007-04) - HIGHLIGHT [Preview](#)

Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"

Contains specific requirements for the construction and testing of electrical apparatus with the type of protection flameproof enclosure "d", intended for use in explosive gas atmospheres. This edition contains significant technical changes with regard to the previous edition.
ICS code: 29.260.20 TC 31 148 pages CHF 217.00

▶ IEC 60446 Ed. 4.0 (2007-05) [Preview](#)

Basic and safety principles for man-machine interface, marking and identification - Identification of conductors by colours or alphanumerics

Has the status of a basic safety publication in accordance with the principles given in IEC Guide 104 and ISO/IEC Guide 51. Provides general rules for the use of certain colours or numerals to identify conductors with the aim of avoiding ambiguity and ensuring safe operation. These conductors may be applied in cables or cores, busbars, electrical equipment and installations. This edition has significant technical changes with respect to the previous edition. This includes addition of subclauses 5.3.4 to 5.3.6 - Use of bi-colour combinations, addition of subclause 6.2 - Identification of certain designated conductors, and addition of a new Annex A (informative) "Identification of certain designated conductors by means of colour code and alphanumeric".

▶ **IEC 60664-1 Ed. 2.0 (2007-04) - HIGHLIGHT** [Preview](#)

Insulation coordination for equipment within low-voltage systems - Part 1: Principles, requirements and tests
Deals with insulation coordination for equipment within low-voltage systems. It applies to equipment for use up to 2 000 m above sea level having a rated voltage up to a.c. 1 000 V with rated frequencies up to 30 kHz, or a rated voltage up to d.c. 1 500 V. It specifies the requirements for clearances, creepage distances and solid insulation for equipment based upon their performance criteria. It includes methods of electric testing with respect to insulation coordination. The minimum clearances specified in this standard do not apply where ionized gases occur. Special requirements for such situations may be specified at the discretion of the relevant technical committee. This standard does not deal with distances

- through liquid insulation,
- through gases other than air,
- through compressed air.

Main changes have been made with respect to the previous edition:

- Amendment of Japanese mains conditions with regard to the rated impulse voltages, the rationalized voltages and the nominal voltages of supply systems for different modes of overvoltage control
- Amendment of dimensioning of clearances smaller than 0,01 mm
- Alignment of the table and the corresponding formula regarding test voltages for verifying clearances at different altitudes
- Amendment of interpolation of the creepage distance values for functional insulation
- Amendment of creepage distance dimensioning taking into account ribs
- Revision of the former Clause 4 "Tests and measurements" (now Clause 6) to achieve a more detailed description of the tests and their purpose, the test equipment and possible alternatives
- Change of Annex C "Partial discharge test methods" from a former technical report, Type 2 (now called TS), to a normative Annex C.

Has the status of a basic safety publication in accordance with IEC Guide 104.

ICS codes: 29.080.30, 29.080. TC 109 148 pages CHF 217.00



ELECTRICAL SUPPLY SYSTEMS

▶ **IEC 60364-7-708 Ed. 2.0 (2007-05)** [Preview](#)

Low-voltage electrical installations - Part 7-708: Requirements for special installations or locations - Caravan parks, camping parks and similar locations

The particular requirements contained in this part of IEC 60364 apply only to circuits intended to supply leisure accommodation vehicles, tents or residential park homes in caravan parks, camping parks and similar locations. The particular requirements do not apply to the internal electrical installations of leisure accommodation vehicles, mobile or transportable units or residential park homes. For the remainder of the electrical installation of caravan parks, the general requirements of IEC 60364 together with the relevant particular requirements of Part 7 apply. This second edition of IEC 60364-7-708 cancels and replaces the first edition, published in 1988, as well as its amendment 1 (1993). It constitutes a technical revision. The main changes with respect to the previous edition concern:

- requirements for the electrical installation of caravans and motor caravans are now covered by Part 721;
- requirements of this part are aligned with those in other parts of IEC 60364;
- one 30 mA RCD now protects only one socket-outlet.

ICS codes: 91.140.50, 97.200.30 TC 64 21 pages CHF 53.00

▶ **IEC 60364-7-721 Ed. 1.0 (2007-04)** [Preview](#)

Low-voltage electrical installations - Part 7-721: Requirements for special installations or locations - Electrical installations in caravans and motor caravans

The particular requirements of this part of IEC 60364 apply to the electrical installation of caravans and motor caravans. They modify or replace certain of the general requirements in Parts 1 to 6 of IEC 60364. They apply to those electrical circuits and equipment intended for the use of the caravan for habitation purposes. They do not apply to those electrical circuits and equipment for automotive purposes. They do not apply to the electrical installations of mobile homes, residential park homes and transportable units.

ICS codes: 91.140.50, 29.020. TC 64 52 pages CHF 119.00



ELECTROMAGNETIC COMPATIBILITY

▶ **CISPR 16-4-1 Amd.2 Ed. 1.0 (2007-04) - HIGHLIGHT**

Amendment 2 - Specification for radio disturbance and immunity measuring apparatus and methods - Part 4-1: Uncertainties, statistics and limit modelling - Uncertainties in standardized EMC tests

ICS codes: 33.100.10, 33.100.20 TC CIS/A 31 pages CHF 129.00



ELECTRONICS

▶ **IEC 60191-6-16 Ed. 1.0 (2007-04)** [Preview](#)

Mechanical standardization of semiconductor devices - Part 6-16: Glossary of semiconductor tests and burn-in sockets for BGA, LGA, FBGA and FLGA

Gives a glossary of semiconductor sockets for BGA, LGA, FBGA and FLGA. Intends to establish definitions and unification of terminology relating to tests and burn-in sockets for BGA, LGA, FBGA and FLGA

ICS code: 31.080.01 SC 47D 11 pages CHF 53.00

▶ **IEC 61190-1-2 Ed. 2.0 (2007-04) - HIGHLIGHT** [Preview](#)

Attachment materials for electronic assembly - Part 1-2: Requirements for soldering pastes for high-quality interconnects in electronics assembly

Specifies general requirements for the characterization and testing of solder pastes used to make high-quality electronic interconnections in electronics assembly. Serves as a quality control document and is not intended to relate directly to the material's performance in the manufacturing process. Related information on flux characterization, quality control and procurement documentation for solder flux and flux containing material may be found in IEC 61190-1-1. The main changes with regard to the first edition concern a definition of lead-free solder alloy and an explanation of solder ball test standards.

ICS code: 31.190. TC 91 18 pages CHF 89.00

▶ **IEC 61190-1-3 Ed. 2.0 (2007-04)** [Preview](#)

Attachment materials for electronic assembly - Part 1-3: Requirements for electronic grade solder alloys and fluxed and non-fluxed solid solders for electronic soldering applications

Prescribes the requirements and test methods for electronic grade solder alloys, for fluxed and non-fluxed bar, ribbon, powder solders and solder paste, for electronic soldering applications and for "special" electronic grade solders. For the generic specifications of solder alloys and fluxes, see ISO 9453, ISO 9454-1 and ISO 9454-2. It is a quality control document and is not intended to relate directly to the material's performance in the manufacturing process. Special

electronic grade solders include all solders which do not fully comply with the requirements of standard solder alloys and solder materials listed herein. Examples of special solders include anodes, ingots, preforms, bars with hook and eye ends, multiple-alloy solder powders, etc. The main changes with regard to the first edition concern a definition of lead-free solder alloy and an amendment to Table B.1 concerning lead-free solder alloys.
ICS code: 31.190. TC 91 35 pages CHF 129.00

- ▶ [IEC 61988-4 Ed. 1.0 \(2007-04\) **Preview**](#)
Plasma display panels - Part 4: Climatic and mechanical testing methods
Defines test methods for evaluating environmental and mechanical endurance characteristics of plasma display modules (PDP modules).
ICS code: 31.260 TC 110 40 pages CHF 89.00
- ▶ [IEC/PAS 62326-7-1 Ed. 1.0 \(2007-04\) **Preview**](#)
Performance guide for single- and double-sided flexible printed wiring boards
Provides the requirements for the single- and double-sided flexible printed wiring boards (hereinafter designated as "flexible printed board" or FPC)
ICS code: 31.180. TC 91 41 pages CHF 163.00



FIBRE OPTIC COMMUNICATIONS

- ▶ [IEC 61274-1 Ed. 2.0 \(2007-04\) - **HIGHLIGHT** **Preview**](#)
Adaptors for fibre optic connectors - Part 1: Generic specification
Relates to individual fibre optic adaptors such as:
-adaptors for connecting a plug connector to an identical type of plug connector;
-adaptors for connecting one type of plug connector to a different type of plug connector;
-adaptors for connecting a fibre optic connector to their optical devices such as LEDs, switches, etc.
The specification includes:
-adaptor requirements;
-quality assessment procedures.
The specific technical changes from the previous edition include the updating of the classification, specification system and standardization system.
ICS code: 33.180.20 SC 86B 53 pages CHF 119.00
- ▶ [IEC/PAS 61300-3-38 Ed. 1.0 \(2007-04\) **Preview**](#)
Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-38: Group delay and chromatic dispersion
The purpose of this PAS is to define the measurement methods necessary to characterize the group delay properties of passive components. From these measurements further parameters like group delay ripple, linear phase deviation, chromatic dispersion, and dispersion slope can be derived. In addition, when these measurements are made with resolved polarization, the differential group delay (DGD) can also be determined as an alternative to separate measurement with the dedicated methods of IEC 61300-3-32.
ICS code: 33.180.20 TC 86B 27 pages CHF 119.00



HOUSEHOLD

- ▶ [IEC 60312 Ed. 4.0 \(2007-04\) **Preview**](#)
Vacuum cleaners for household use - Methods of measuring the performance
Applicable to vacuum cleaners for household use in or under conditions similar to those in households. The purpose of this standard is to specify essential performance characteristics of vacuum cleaners being of interest to the users and to describe methods for measuring these characteristics.
ICS code: 97.080. SC 59F 152 pages CHF 237.00
- ▶ [IEC 60335-2-27 Ed. 4.2 \(2007-04\) **Preview**](#)
Household and similar electrical appliances - Safety - Part 2-27: Particular requirements for appliances for skin exposure to ultraviolet and infrared radiation
Deals with the safety of appliances for skin exposure to ultraviolet or infrared radiation, intended for normal household as well as tanning salon and beauty parlour use. Appliance rated voltage being not more than 250 V single phase and 480 V for other appliances.
ICS codes: 13.120., 97.170. TC 61 57 pages CHF 140.00



METROLOGY & MEASUREMENT

- ▶ [IEC 60587 Ed. 3.0 \(2007-05\) **Preview**](#)
Electrical insulating materials used under severe ambient conditions - Test methods for evaluating resistance to tracking and erosion
Describes two test methods for the evaluation of electrical insulating materials for use under severe ambient conditions at power frequencies (45 Hz to 65 Hz) by measurement of the resistance to tracking and erosion, using a liquid contaminant and inclined plane specimens. The two methods are as follows:
- Method 1: constant tracking voltage;
- Method 2: stepwise tracking voltage.
The main changes from the previous edition are as follows:
Experience has indicated the need for improved description of the experimental method.
For the preparation of the test specimens abrasion is recommended only if necessary.
The ventilation of the test chamber is described in detail.
For specimens of soft elastomeric materials a mounting support is described.
The maximum depth of erosion has to be reported in the classification.
ICS codes: 17.220.99, 29.035.01 TC 112 15 pages CHF 71.00



TERMINOLOGY

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 TC 1 10000 pages CHF 295.00



TESTING

▶ IEC 60068-2-69 Ed. 2.0 (2007-05) - HIGHLIGHT [Preview](#)

Environmental testing - Part 2-69: Tests - Test Te: Solderability testing of electronic components for surface mounting devices (SMD) by the wetting balance method

Outlines test Te, solder bath wetting balance method and solder globule wetting balance method, applicable for surface mounting devices. These methods determine quantitatively the solderability of terminations on surface mounting devices. Provides the standard procedures for solder alloys containing lead (Pb) and for lead-free solder alloys. IEC 60068-2-54 is also available for surface mounting devices and should be consulted if applicable. The procedures describe the solder bath wetting balance method and the solder globule wetting balance method and are both applicable to components with metallic terminations and metallized solder pads. The main changes from the previous edition are as follows:

Inclusion of lead-free alloy test conditions;

Inclusion of new fluxes for testing, reflecting development of fluxes that have happened in the industry in the past 20 years;

Inclusion of new component types, and updating test parameters for the whole component list.

ICS codes: 19.040., 31.190. TC 91 25 pages CHF 108.00



WITHDRAWN/REPLACED PUBLICATIONS

Publication withdrawn	TC	Replaced by
IEC 50574-15 Ed. 1.0 1984	100	Withdrawn
IEC 60574-1 Ed. 1.0 1977	100	Withdrawn
IEC 60574-10 Ed. 2.0 1983	100	Withdrawn
IEC 60574-10-am2 Ed. 2.0 1989	100	Withdrawn
IEC 60574-11 Ed. 1.0 1987	100	Withdrawn
IEC 60574-13 Ed. 1.0 1982	100	Withdrawn
IEC 60574-14 Ed. 1.0 1983	100	Withdrawn
IEC 60574-14-am1 Ed. 1.0 1988	100	Withdrawn
IEC 60574-15 Ed. 1.0 1984	100	Withdrawn
IEC 60574-16 Ed. 1.0 1987	100	Withdrawn
IEC 60574-17 Ed. 1.0 1989	100	Withdrawn
IEC 60574-18 Ed. 1.0 1987	100	Withdrawn
IEC 60574-2 Ed. 2.0 1992	100	Withdrawn
IEC 60574-20 Ed. 1.0 1988	100	Withdrawn
IEC 60574-21 Ed. 1.0 1992	100	Withdrawn
IEC 60574-3 Ed. 1.0 1983	100	Withdrawn
IEC 60574-5 Ed. 1.0 1980	100	Withdrawn
IEC 60574-5-2 Ed. 1.0 1983	100	Withdrawn
IEC 60574-7 Ed. 1.0 1987	100	Withdrawn
IEC 60686 Ed. 1.0 1980	22E	Withdrawn
IEC 60695-2-20 Ed. 2.0 2007	89	Withdrawn
IEC 60914 Ed. 1.0 1988	100	Withdrawn
IEC 60933-1 Ed. 1.0 1992	100	Withdrawn
IEC 60933-1-am1 Ed. 1.0 1992	100	Withdrawn
IEC 60933-3 Ed. 1.0 1992	100	Withdrawn
IEC 60933-4 Ed. 1.0 1994	100	Withdrawn
IEC 61030 Ed. 1.0 1991	100	Withdrawn
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The Catalogue on CD-ROM provides users with an ideal tool for consulting the entire bibliographical information on international standards, specifications, reports and other documents. The search functions on the CD-ROM are identical to those on the IEC web site, allowing users to do text searches as well as searches by publication references, dates, technical committees and ICS codes. It is also possible to look for IEC publications in French. Once the program is installed on a computer, its database can be updated every two weeks with new bibliographical data (via HTTP or FTP). It also gives links to all NCs and NC-appointed sales outlets, as well as the IEC website. From the Search results page you can add any publication of interest to you in the favourites list. Every time that you update the database you will be notified if a new publication has been published or if any of the publication selected has been modified (new edition, consolidated or withdrawn), it will be highlighted by a specific colour code.
 CHF 53.00

▶ **MISC CENT-CHAL Ed. 1.0 (2006-12) Preview**
International Standardization as a Strategic Tool

"International Standardization as a Strategic Tool", comprising the commended papers from the IEC Centenary Challenge. The IEC Centenary Challenge was a competition for papers on the economic, business and social impact of International Standards on business. It was organized in association with The Economist magazine and in partnership with three leading professional engineering bodies: the IET (Institute of Engineering and Technology); IEEE (Institute of Electrical and Electronics Engineers); and VDE, the German association for electrical, electronic and information technologies. The commended papers (in alphabetical order) included are:
 "Architecture-based approaches to international standardization and evolution of business models" by Junjiro Shintaku, lead author; Koichi Ogawa, Tetsuo Yoshimoto, co-authors, The University of Tokyo - Manufacturing Management Research Center, Japan;
 "Benefits of standardization in the microelectronics industries and their implications on nanotechnology and other innovative industries" by Werner Bergholz, lead author; Bettina Weiss, Carlos Lee, co-authors, International University Bremen, Germany;
 "Do national standards hinder or promote trade in electrical products?" by Johannes Moenius, University of Redlands, USA;
 "Industrial legislatures: The American system of standardization" by Andrew Russell, The Johns Hopkins University, USA;
 "Measuring the performance of standard setting organizations" by Timothy S. Simcoe, lead author; Marc Rysman, co-author, The Joseph L. Rotman School of Management - University of Toronto, Canada;
 "Standardization and business development: The global impact of the IOSA standards and the value of anticipation" by David Hodgkinson, The University of Western Australia, Australia;
 "Standardization and patent pools: Using patent licensing to lead the market" by Hajime Yamada, Toyo University, Japan;
 "Standardizing mesopic vision conditions and incidence on light sources science and technology" by Georges Zissis, lead author, Stuart Mucklejohn, co-author, Université Paul Sabatier - Toulouse III, France, Laboratoire des Plasmas et de Conversion de l'Energie - Team "Sources Intenses des Photons";
 "Standards for business - How companies benefit from participation in international standards setting" by Dr.ir. Henk J. de Vries, RSM Erasmus University, The Netherlands;
 "The entrepreneur and standards" by Ken Krechmer, lead author; Elaine Baskin, co-author; University of Colorado at Boulder, USA;
 "The impacts of ICT standards: Three views" by Knut Blind, Fraunhofer ISI, Technische Universität Berlin, Germany.
 175 pages CHF 185.00.

**ELECTRICAL ENGINEERING**▶ **IEC 60189-1 Ed. 3.0 (2007-05) Preview****Low-frequency cables and wires with PVC insulation and PVC sheath - Part 1: General test and measuring methods**

specifies mechanical, electrical and climatic test methods for low-frequency cables and wires designed for use in telecommunication inside plant and equipment and in electronic devices employing similar techniques.

ICS codes: 29.060.10, 29.060.20 SC 46C 17 pages CHF 79.00

▶ **IEC 60189-2 Ed. 4.0 (2007-05) Preview****Low-frequency cables and wires with PVC insulation and PVC sheath - Part 2: Cables in pairs, triples, quads and quintuples for inside installations**

is applicable to cables for inside installations, intended for the interconnection of the following: transmission equipment; telecommunications equipment; equipment for data processing.

ICS codes: 29.060.10, 29.060.20 SC 46C 21 pages CHF 97.00

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Low-frequency cables and wires with PVC insulation and PVC sheath - Part 3: Equipment wires with solid or stranded conductor wires, PVC insulated, in singles, pairs and triples
 is applicable to equipment wires with solid or stranded conductor, polyvinyl chloride (PVC) insulated, in singles, pairs and triples to be used for internal wiring of telecommunication equipment, industrial and consumer electronic equipment.
 ICS codes: 29.060.10, 29.060.20 SC 46C 13 pages CHF 58.00
- ▶ [IEC 60287-3-3 Ed. 1.0 \(2007-05\) Preview](#)
Electric cables - Calculation of the current rating - Part 3-3: Sections on operating conditions - Cables crossing external heat sources
 Describes a method for calculating the continuous current rating factor for cables of all voltages where crossings of external heat sources are involved. The method is applicable to any type of cable. The method assumes that the entire region surrounding a cable, or cables, has uniform thermal characteristics and that the principle of superposition applies. The principle of superposition does not strictly apply to touching cables and hence the calculation method set out in this standard will produce an optimistic result if applied to touching cables
 ICS code: 29.060.20 TC 20 33 pages CHF 79.00
- ▶ [IEC 60454-3-11 Ed. 2.0 \(2007-05\) Preview](#)
Pressure-sensitive adhesive tapes for electrical purposes - Part 3: Specifications for individual materials - Sheet 11: Polyester film combinations with glass filament, creped cellulosic paper, polyester non-woven, epoxy and pressure-sensitive adhesive
 Contains the requirements for combination tapes made of creped cellulosic paper and polyethylene terephthalate film with rubber thermosetting adhesive. The main changes with regard to the previous edition is the consolidation of Parts 3-11, 3-15, 3-16 and 3-17.
 ICS code: 29.035.20 TC 15 14 pages CHF 64.00
- ▶ [IEC 62021-2 Ed. 1.0 \(2007-05\) Preview- HIGHLIGHT](#)
Insulating liquids - Determination of acidity - Part 2: Colourimetric titration
 Describes a procedure for determination of the acidity of unused and used electrical mineral insulating oils. The method may be used to indicate relative changes that occur in a mineral insulating oil during use under oxidizing conditions that may or may not be shown by other properties of the resulting mineral oil. The acidity can be used in the quality control of unused mineral oil. As a variety of oxidation products present in used mineral oil contribute to acidity and these products vary widely in their corrosion properties, the test cannot be used to predict corrosiveness of a mineral oil under service conditions.
 ICS code: 29.040.10 TC 10 32 pages CHF 71.00
- ▶ [IEC 62025-1 Ed. 2.0 \(2007-05\) Preview](#)
High frequency inductive components - Non-electrical characteristics and measuring methods - Part 1: Fixed, surface mounted inductors for use in electronic and telecommunication equipment
 Establishes requirements for fixed, surface mounted inductors, to describe terms, to give recommendations for standard values and dimensions and to give guidance on fixed, surface mounted inductors. The significant technical changes with respect to the previous edition are as follows: new nomenclature of dimensions, additional table for letter codes, additional dimensions for shapes, new operating temperature ratings.
 ICS code: 29.100.10 TC 51 13 pages CHF 58.00
- ▶ [IEC 62423 Ed. 1.0 \(2007-05\) Preview](#)
Type B residual current operated circuit-breakers with and without integral overcurrent protection for household and similar uses (Type B RCCBs and Type B RCBOs)
 The scope of IEC 61008-1 and IEC 61009-1 applies. This standard specifies requirements and tests for type B RCDs. Requirements and tests given in this standard are in addition to the requirements of type A residual current devices. Type B RCCBs and Type B RCBOs are able to provide protection in case of alternating residual sinusoidal currents up to 1 000 Hz, pulsating direct residual currents and smooth direct residual currents in case of three phase supply.
 ICS codes: 29.120., 29.120.50 SC 23E 52 pages CHF 119.00



ELECTRICAL SUPPLY SYSTEMS

- ▶ [IEC 60364-7-709 Ed. 2.0 \(2007-05\) Preview](#)
Low-voltage electrical installations - Part 7-709: Requirements for special installations or locations - Marinas and similar locations
 The particular requirements specified in this part of IEC 60364 apply only to circuits intended to supply pleasure craft or houseboats in marinas and similar locations. The particular requirements do not apply to the supply of house boats if they are directly supplied from the public network. The particular requirements do not apply to the internal electrical installations of pleasure craft or house boats. For the remainder of the electrical installation of marinas and similar locations the general requirements of IEC 60364 together with the relevant particular requirements of IEC 60364-7 apply. This second edition of IEC 60364-7-709 cancels and replaces the first edition, published in 1994. It constitutes a technical revision. The major changes with regard to the previous edition concern: - the removal of the requirements for the electrical installation in pleasure craft as these are now covered by IEC 60092-507; - the requirements of this part have been aligned with those in other parts of IEC 60364.
 ICS codes: 91.140.50, 29.020. TC 64 33 pages CHF 79.00
- ▶ [IEC 62055-41 Ed. 1.0 \(2007-05\) Preview](#)
Electricity metering - Payment systems - Part 41: Standard transfer specification (STS) - Application layer protocol for one-way token carrier systems
 specifies the application layer protocol of the STS for transferring units of credit and other management information from a point-of-sale (POS) system to an STS-compliant payment meter in a one-way token carrier system. It is primarily intended for application with electricity payment meters without a tariff employing energy-based tokens, but may also have application with currency-based token systems and for services other than electricity.
 ICS codes: 91.140.50, 35.100.70 TC 13 103 pages CHF 247.00
- ▶ [IEC 62055-51 Ed. 1.0 \(2007-05\) Preview](#)
Electricity metering - Payment systems - Part 51: Standard transfer specification (STS) - Physical layer protocol for one-way numeric and magnetic card token carriers
 specifies a physical layer protocol of the standard transfer specification (STS) for transferring units of credit and other management information between a point-of-sale (POS) system and an STS-compliant electricity payment meter.
 ICS codes: 91.140.50, 35.100.10 TC 13 21 pages CHF 97.00



ELECTRONICS

- ▶ [IEC 60915 Ed. 2.0 \(2007-05\)](#)
Corrigendum 1 - Fixed capacitors for use in electronic equipment - Preferred dimensions of shaft ends, bushes and for the mounting of single-hole, bush-mounted, shaft-operated electronic components
 ICS codes: 31.040., 31.060. TC 40 00 page CHF 0.00
- ▶ [IEC 61192-5 Ed. 1.0 \(2007-05\) Preview](#)
Workmanship requirements for soldered electronic assemblies - Part 5: Rework, modification and repair of soldered electronic assemblies

Provides information and requirements that are applicable to modification, rework and repair procedures for soldered electronic assemblies. It is applicable to specific processes used to manufacture soldered electronic assemblies where components are attached to printed boards and to the relevant parts of resulting products. It is also applicable to activities that can form part of the work in assembling mixed technology products. It also contains guidance on design matters where they have relevance to rework.
ICS code: 31.190. TC 91 38 pages CHF 141.00



ENERGY & HEAT TRANSFER ENGINEERING

- ▶ **CISPR 12 Ed. 6.0 (2007-05)** [Preview](#) - **HIGHLIGHT**
Vehicles, boats and internal combustion engines - Radio disturbance characteristics - Limits and methods of measurement for the protection of off-board receivers
 The limits in this International Standard are designed to provide protection for broadcast receivers in the frequency range of 30 MHz to 1 000 MHz when used in the residential environment. Compliance with this standard may not provide adequate protection for new types of radio transmissions or receivers used in the residential environment nearer than 10 m to the vehicle, boat or device. This standard applies to the emission of electromagnetic energy which may cause interference to radio reception and which is emitted from a) vehicles propelled by an internal combustion engine, electrical means or both; b) boats propelled by an internal combustion engine, electrical means or both. Boats are to be tested in the same manner as vehicles except where they have unique characteristics as explicitly stated in this standard; c) devices equipped with internal combustion engines. This sixth edition cancels and replaces the fifth edition published in 2001 and its Amendment 1 (2005). This edition constitutes a technical revision. The following changes were made with respect to the previous edition: - deletion of narrowband / broadband determination; - general improvement of wording.
 ICS codes: 27.020., 33.100.10 TC CIS/D 109 pages CHF 185.00
- ▶ **IEC 60671 Ed. 2.0 (2007-05)** [Preview](#) - **HIGHLIGHT**
Nuclear power plants - Instrumentation and control systems important to safety - Surveillance testing
 Lays down principles for testing I&C systems performing category A, B and C functions, per IEC 61226, during normal power operation and shutdown, so as to check the functional availability especially with regard to the detection of faults that could prevent the proper operation of the functions important to safety. Covers the possibility of testing at short intervals or continuous surveillance, as well as periodic testing at longer intervals. It also establishes basic rules for the design and application of the test equipment and its interface with the systems important to safety. The main change with respect to the previous edition includes an extension of the scope to cover all systems important to safety, and a requirement gradation for systems and equipment performing category A, B and C functions.
 ICS code: 27.120.20 SC 45A 50 pages CHF 108.00
- ▶ **IEC 62397 Ed. 1.0 (2007-05)** [Preview](#)
Nuclear power plants - Instrumentation and control important to safety - Resistance temperature detectors
 Describes the requirements for resistance temperature detectors (RTDs) suitable for nuclear power plant (NPP) services. The requirements of RTDs include design, materials, manufacturing, testing, calibration, procurement, and inspection.
 ICS code: 27.120.20 SC 45A 48 pages CHF 108.00



FIBRE OPTIC COMMUNICATIONS

- ▶ **IEC 61290-10-4 Ed. 1.0 (2007-05)** [Preview](#)
Optical amplifiers - Test methods - Part 10-4: Multichannel parameters - Interpolated source subtraction method using an optical spectrum analyzer
 This part of IEC 61290 applies to all commercially available optical amplifiers (OAs) and optically amplified subsystems. The object of this standard is to establish uniform requirements for accurate and reliable measurements, by means of the interpolated source subtraction method using an optical spectrum analyzer.
 ICS code: 33.180.30 SC 86C 34 pages CHF 79.00
- ▶ **IEC 62005-9-2 Ed. 1.0 (2007-05)** [Preview](#)
Reliability of fibre optic interconnecting devices and passive optical components - Part 9-2: Reliability qualification for single fibre optic connector sets - Single mode
 Applies to fibre optic connector sets and contains the minimum test and measurement requirements and severities which a fibre optic connector set shall satisfy in order to be qualified as meeting the requirements for reliability qualification of singlemode fibre optic connectors with single fibre cylindrical ferrule PC polished as defined in the IEC 61754 series and used in controlled and uncontrolled environments (categories C and U) as defined in IEC 61753-1.
 ICS codes: 33.180.10, 21.020. SC 86B 32 pages CHF 71.00



HOUSEHOLD

- ▶ **IEC 60335-2-70 Ed. 2.1 (2007-05)** [Preview](#)
Household and similar electrical appliances - Safety - Part 2-70: Particular requirements for milking machines
 Deals with milking machines for milking farm animals, for use in stalls or in the open. Examples are bucket and direct-to-can milking machines, milking pipeline machines, recorder milking machines. The rated voltage is less than 250 V for single-phase operation and 480 V for other operations.
 ICS code: 65.060.99 SC 61H 36 pages CHF 105.00
- ▶ **IEC 60335-2-71 Ed. 2.1 (2007-05)** [Preview](#)
Household and similar electrical appliances - Safety - Part 2-71: Particular requirements for electrical heating appliances for breeding and rearing animals
 Deals with the safety of all kinds of electrical heating appliances for rearing and breeding livestock. Examples are heat-radiating appliances, electrical sitting-hens, incubators, chicken breeding units and heating plates for animals. For room heaters, see IEC 60335-2-30. For flexible-sheet heating elements for room heating, see IEC 60335-2-96.
 ICS codes: 65.020.30, 97.100.10 SC 61H 36 pages CHF 105.00



MEDICAL ELECTRICAL EQUIPMENT

- ▶ **IEC 60601-2-22 Ed. 3.0 (2007-05)** [Preview](#) - **HIGHLIGHT**
Medical electrical equipment - Part 2-22: Particular requirements for basic safety and essential performance of surgical, cosmetic, therapeutic and diagnostic laser equipment
 Applies to the basic safety and essential performance of laser equipment for either surgical, therapeutic, medical diagnostic, cosmetic, or veterinary applications, intended for its use on humans or animals, classified as a class 3B or class 4 laser product as defined by 3.22 and 3.23 in IEC 60825-1, hereafter referred to as laser equipment. Throughout this International Standard, light emitting diodes (LED) are included whenever the word "laser" is used. This standard

can also be applied to surgical, cosmetic, therapeutic and diagnostic laser equipment used for compensation or alleviation of disease, injury or disability. This third edition cancels and replaces the second edition of IEC 60601-2-22, published in 1995. This edition constitutes a technical revision. This third edition takes account of the recently published new editions of the General Standard IEC 60601-1 and Group safety publication IEC 60825-1. Additionally, it addresses technical and safety issues which have arisen in the time following the previous second edition.
ICS codes: 11.040.50, 11.040.60 TC 76 52 pages CHF 119.00

▶ **IEC 62353 Ed. 1.0 (2007-05) [Preview](#)**

Medical electrical equipment - Recurrent test and test after repair of medical electrical equipment

Applies to testing of medical electrical equipment and medical electrical systems, hereafter referred to as me equipment and me systems, or parts of such equipment or systems, which comply with IEC 60601-1, before putting into service, during maintenance, inspection, servicing and after repair or on occasion of recurrent tests to assess the safety of such me equipment or me systems or parts thereof. For equipment not built to IEC 60601-1 these requirements may be used taking into account the safety standards for the design and information in the instructions for use of that equipment. This standard contains tables with allowable values relating to different editions of IEC 60601-1. For the purpose of this standard, the application of measuring methods is independent of the edition according to which the me equipment or me system is designed. This standard contains: - ""general requirements"", which contain clauses of general concern, and - ""particular requirements"", further clauses handling special types of me equipment or me systems and applying in connection with the ""General requirements"". This standard is also applicable to tests after repair. The testing shall be defined according to the extent of work performed and applicable guidance from the manufacturer.

ICS code: 11.040. SC 62A 103 pages CHF 185.00

▶ **IEC 62462 Ed. 1.0 (2007-05) [Preview](#) - HIGHLIGHT**

Ultrasonics - Output Test - Guide for the maintenance of ultrasound physiotherapy systems

The purpose of this technical specification is to establish standard methods for a qualitative check of the performance of ultrasound physiotherapy devices during their lifetime, and to provide guidance on calibration requirements and techniques. To ensure that the ultrasound physiotherapy equipment is in an appropriate condition for use, a regular quality check is necessary. This technical specification defines acceptance, weekly and annual checks. The acceptance test checks the delivery of the device and its performance at the start of its lifetime. The weekly check is a simple qualitative check of device operation. In the annual check, in addition to a qualitative check, a quantitative check is defined. Examples are provided of weekly and annual test reports. This report also gives guidance to the testers concerning the measurement of acoustic output. Annual testing is to be performed by a skilled tester, e.g. biomedical engineer, medical physicist, medical device service agent, commercial tester, test house, national measurement institute or manufacturer.

ICS codes: 11.040.60, 17.140.50 TC 87 29 pages CHF 119.00



METROLOGY & MEASUREMENT

▶ **IEC 60599 Ed. 2.1 (2007-05) [Preview](#)**

Mineral oil-impregnated electrical equipment in service - Guide to the interpretation of dissolved and free gases analysis

Describes how the concentrations of dissolved gases or free gases may be interpreted to diagnose the condition of oil-filled electrical equipment in service and suggests future action. Applicable to electrical equipment filled with mineral insulating oil and insulated with cellulosic paper or pressboard-based solid insulation. Information about specific types of equipment such as transformers (power, instrument, industrial, railways, distribution), reactors, bushings, switchgear and oil-filled cables is given only as an indication in the application notes. May be applied only with caution to other liquid-solid insulating systems. In any case, the indications obtained should be viewed only as guidance and any resulting action should be undertaken only with proper engineering judgement.

ICS codes: 17.220.99, 29.040.10, 29.180. TC 10 69 pages CHF 155.00

▶ **IEC 61557-8 Ed. 2.0 (2007-05)**

Corrigendum 1 - Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 8: Insulation monitoring devices for IT systems

ICS codes: 17.220.20, 29.080.01, 29.240.01 TC 85 00 page CHF 0.00

▶ **IEC 62226-3-1 Ed. 1.0 (2007-05) [Preview](#)**

Exposure to electric or magnetic fields in the low and intermediate frequency range - Methods for calculating the current density and internal electric field induced in the human body - Part 3-1: Exposure to electric fields - Analytical and 2D numerical models

Applies to the frequency range for which exposure limits are based on the induction of voltages or currents in the human body when exposed to electric fields. Defines in detail the coupling factor K - introduced by the IEC 62226 series to enable exposure assessment for complex exposure situations, such as non-uniform magnetic field or perturbed electric field - for the case of simple models of the human body, exposed to uniform electric fields. The coupling factor K has different physical interpretations depending on whether it relates to electric or magnetic field exposure. It is the so called ""shape factor for electric field"". This part of IEC 62226 can be used when the electric field can be considered to be uniform, for frequencies up to at least 100 kHz. This situation of exposure to a ""uniform"" electric field is mostly found in the vicinity of high voltage overhead power systems. For this reason, illustrations given in this part are given for power frequencies (50 Hz and 60 Hz).

ICS code: 17.220.20 TC 106 109 pages CHF 185.00



MULTIMEDIA

▶ **IEC 61937-2 Ed. 2.0 (2007-05) [Preview](#)**

Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 2: Burst-info specifies the digital audio interface to convey non-linear PCM encoded audio bitstreams applying IEC 60958-1 and IEC 60958-3. This standard specifies burst-info which defines content information about the data contained in the burst payload.

ICS code: 33.160.30 TC 100 11 pages CHF 53.00



SAFETY

▶ **IEC 60479-2 Ed. 3.0 (2007-05) [Preview](#)**

Effects of current on human beings and livestock - Part 2: Special aspects

IEC 60479-2, which is a technical specification, describes the effects on the human body when a sinusoidal alternating current in the frequency range above 100 Hz passes through it. The effects of current passing through the human body for - alternating sinusoidal current with d.c. components, - alternating sinusoidal current with phase control, - alternating sinusoidal current with multicycle control, are given but are only deemed applicable for alternating current frequencies from 15 Hz up to 100 Hz. This standard furthermore describes the effects of current passing through the human body in the form of single unidirectional rectangular impulses, sinusoidal impulses and impulses resulting from capacitor

discharges. The values specified are deemed to be applicable for impulse durations from 0,1 ms up to and including 10 ms. For impulse durations greater than 10 ms, the values given in Figure 20 of IEC 60479-1 apply. This standard only considers conducted current resulting from the direct application of a source of current to the body, as does IEC 60479-1 and IEC 60479-3. It does not consider current induced within the body caused by its exposure to an external electromagnetic field. This third edition cancels and replaces the second edition, published in 1987, and constitutes a technical revision. The major changes with regard to the previous edition are as follows: - the report has been completed with additional information on effects of current passing through the human body for alternating sinusoidal current with d.c. components, alternating sinusoidal current with phase control, alternating sinusoidal current with multicycle control in the frequency range from 15 Hz up to 100 Hz. - an estimation of the equivalent current threshold for mixed frequencies. - the effect of repeated pulses (bursts) of current on the threshold of ventricular fibrillation. - effects of electric current through the immersed human body.

ICS codes: 13.200., 29.020. TC 64 80 pages CHF 141.00



STATISTICAL METHODS

▶ [IEC 60605-6 Ed. 3.0 \(2007-05\)](#) [Preview](#)

Equipment reliability testing - Part 6: Tests for the validity and estimation of the constant failure rate and constant failure intensity

Specifies procedures to verify the assumption of a constant failure rate or constant failure intensity as defined in IEC 60050(191). These procedures are applicable whenever it is necessary to verify these assumptions. This may be due to a requirement or for the purpose of assessing the behaviour in time of the failure rate or the failure intensity. The major technical changes with respect to the previous edition concern the inclusion of corrected formulae for tests previously included in a corrigendum, and the addition of new methods for the analysis of multiple items.

ICS codes: 03.120.30, 19.020., 21.020. TC 56 85 pages CHF 163.00



TELECOMMUNICATIONS

▶ [IEC 62351-1 Ed. 1.0 \(2007-05\)](#) [Preview](#) - **HIGHLIGHT**

Power systems management and associated information exchange - Data and communications security - Part 1: Communication network and system security - Introduction to security issues

Provides an introduction to the remaining parts of the IEC 62351 series, primarily to introduce the reader to various aspects of information security as applied to power system operations. The scope of the IEC 62351 series is information security for power system control operations. Its primary objective is to undertake the development of standards for security of the communication protocols defined by IEC TC 57, specifically the IEC 60870-5 series, the IEC 60870-6 series, the IEC 61850 series, the IEC 61970 series, and the IEC 61968 series.

ICS code: 33.200. TC 57 35 pages CHF 129.00



TERMINOLOGY

▶ [IEC 60050-471 Ed. 2.0 \(2007-05\)](#) [Preview](#)

International Electrotechnical Vocabulary - Part 471: Insulators

This part of IEC 60050 gives the general terminology used in insulators. This terminology is consistent with the terminology developed in the other specialized parts of the IEV.

ICS codes: 01.040.29, 29.080.10 TC 1 58 pages CHF 119.00

▶ [IEC DICT Ed. 6.0 \(2005-02\)](#) - **HIGHLIGHT**

IEC Multilingual Dictionary on CD-ROM - 6th edition

The Multilingual Dictionary allows you to speak electrotechnology in 13 languages. If you need a local, standalone resource to understand electrotechnical terminology and a multilingual reference tool, then the Multilingual Dictionary is the perfect tool for you. You have the complete International Electrotechnical Vocabulary (IEV) at your fingertips with easy to use hyperlinks.

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- 3 new editions: 393 – nuclear instrumentation – physical phenomena and basic concepts; 826 – electrical installations; 841 – industrial electroheat.

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TC 1 10000 pages CHF 299.00



TESTING

▶ [IEC 60068-2-82 Ed. 1.0 \(2007-05\)](#) [Preview](#) - **HIGHLIGHT**

Environmental testing - Part 2-82: Tests - Test Tx: Whisker test methods for electronic and electric components

Specifies whisker tests for electric or electronic components representing the finished stage, with tin or tin-alloy finish. However, it does not specify tests for whiskers that may grow as a result of external mechanical stress. This test method is employed by a relevant specification (international component or application specification) with transfer of the test severities to be applied and with defined acceptance criteria. Where tests described in this standard are considered for other components, e.g. mechanical parts as used in electrical or electronic equipment, it should be ensured that the material system and whisker growth mechanisms are comparable.

ICS codes: 19.040., 31.190. TC 91 32 pages CHF 129.00

▶ [IEC 60068-3-11 Ed. 1.0 \(2007-05\)](#) [Preview](#)

Environmental testing - Part 3-11: Supporting documentation and guidance - Calculation of uncertainty of conditions in climatic test chambers

Demonstrates how to estimate the uncertainty of steady-state temperature and humidity conditions in temperature and humidity chambers. Since this is inextricably linked to the methods of measurement, these are also described. This standard is equally applicable to all environmental enclosures, including rooms or laboratories. The methods used apply both to temperature chambers and combined temperature and humidity chambers. This standard is meant to help everyone using climatic test chambers. Those already familiar with uncertainty of measurement will find it useful for guidance on typical sources of uncertainty and how they should be quantified and combined. It is also intended to assist the first-time or occasional user who has little or no knowledge of the subject. To discuss uncertainty, it is important first

to understand what is being measured or characterized. The calibration or characterization of the performance of a chamber is concerned with the humidity and temperature of the air in the chamber, as experienced by the item under test, at a given set point. This should not be confused with characterizing or calibrating the chamber sensor, which is a separate matter.

ICS code: 19.040. TC 104 68 pages CHF 129.00



WITHDRAWN/REPLACED PUBLICATIONS

Publication withdrawn	TC	Replaced by
IEC/PAS 62005-9-2 Ed.1.0 2003	86b	IEC 62005-9-2 Ed.1.0 2007
IEC/PAS 62055-41 Ed.1.0 2003	13	IEC 62055-41 Ed.1.0 2007
IEC 60454-3-15 Ed.1.0 2001	15	IEC 60454-3-11 Ed.2.0 2007
IEC 60454-3-16 Ed.1.0 2003	15	IEC 60454-3-11 Ed.2.0 2007
IEC 60454-3-17 Ed.1.0 2001	15	IEC 60454-3-11 Ed.2.0 2007



ISO/IEC PUBLICATIONS

▶ ISO/IEC 14165-414 Ed. 1.0 (2007-05) [Preview](#)

Information technology - Fibre channel - Part 414: Generic services-4 (FC-GS-4)

Fibre Channel provides a general data transport vehicle for Upper Level Protocols (ULPs) such as Intelligent Peripheral Interface (IPI) and Small Computer System Interface (SCSI) command sets, the High-Performance Parallel Interface (HIPPI) data framing, IP (Internet Protocol) and others. This International Standard features the basic fibre channel services introduced into Framing and Signalling (FC-FS). In addition, it describes any ancillary functions and services required to support the Fibre Channel services, such as name, management, discovery, time and alias services.

ICS code: 35.200. TC JTC 1/SC 25 337 pages CHF 300.00

▶ ISO/IEC 14543-3-5 Ed. 1.0 (2007-05) [Preview](#)

Information technology - Home electronic system (HES) architecture - Part 3-5: Media and media dependent layers - Powerline for network based control of HES Class 1

Home Electronic System (HES) standards describe the architecture of home control systems including communication and interoperability aspects. This International Standard defines the mandatory and optional requirements for medium specific physical and data link layer of power line Class 1.

ICS code: 35.200. TC JTC 1/SC 25 39 pages CHF 132.00



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ICS codes: 25.040., 35.100., 35.240.50 SC 65C CHF 1,588.00

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ICS codes: 25.040.01, 13.110. SC 65A CHF 560.00

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This pack contains all parts to IEC 60870-5

ICS code: 33.200. TC 57 CHF 1,638.00

IEC 61850-SER Ed. 1.0 (2005-05)**Communication networks and systems in substations - ALL PARTS**

This pack contains all parts to IEC 61850 and an informative pdf file containing most definitions found in IEC 61850-7-3 and IEC 61850-7-4. The reader can use these pages to easily read and understand the content of the two standards, without going back and forth in the documents.

ICS code: 33.200. TC 57 CHF 2,292.00

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ISO/Standard Week/Semaine 18 (2007)

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1.	ISO/IEC 24824-1:2007	JTC 1/SC 6	Information technology -- Generic applications of ASN.1: Fast infonet -- Part 1:	Technologies de l'information -- Applications génériques de l'ASN.1: Infonet rapide -- Partie 1: (disponible en anglais seulement)	X	- details on ISO Online - download area
2.	ISO/IEC 15444-3:2007	JTC 1/SC 29	Information technology -- JPEG 2000 image coding system: Motion JPEG 2000 -- Part 3:	Technologies de l'information -- Système de codage d'image JPEG 2000: "Motion JPEG 2000" -- Partie 3: (disponible en anglais seulement)	P	- details on ISO Online - download area
3.	ISO 21348:2007	TC 20/SC 14	Space environment (natural and artificial) -- Process for determining solar irradiances	Environnement spatial (naturel et artificiel) -- Procédé de détermination des irradiances solaires (disponible en anglais seulement)	F	- details on ISO Online - download area
4.	ISO 6534:2007	TC 23/SC 17	Forestry machinery -- Portable chain-saw hand-guards -- Mechanical strength	Matériel forestier -- Protections des mains des scies à chaîne portatives -- Résistance mécanique	C	- details on ISO Online - download area
5.	ISO 8331:2007	TC 45/SC 1	Rubber and plastics hoses and hose assemblies -- Guidelines for selection, storage, use and maintenance	Tuyaux et flexibles en caoutchouc et en plastique - - Lignes directrices pour la sélection, le stockage, l'utilisation et la maintenance (disponible en anglais seulement)	F	- details on ISO Online - download area
6.	ISO 4575:2007	TC 61/SC 9	Plastics -- Poly(vinyl chloride) pastes -- Determination of apparent viscosity using the Severs rheometer	Plastiques -- Pâtes de poly(chlorure de vinyle) -- Détermination de la viscosité apparente au rhéomètre Severs	E	- details on ISO Online - download area
7.	ISO 1209-1:2007	TC 61/SC 10	Rigid cellular plastics -- Determination of flexural properties -- Part 1: Basic bending test	Plastiques alvéolaires rigides -- Détermination des propriétés de flexion -- Partie 1: Essai simple de flexion (disponible en anglais seulement)	B	- details on ISO Online - download area
8.	ISO 1209-2:2007	TC 61/SC 10	Rigid cellular plastics -- Determination of flexural properties -- Part 2: Determination of flexural strength and apparent flexural modulus of elasticity	Plastiques alvéolaires rigides -- Détermination des propriétés de flexion -- Partie 2: Détermination de la résistance à la flexion et du module apparent d'élasticité en flexion (disponible en anglais seulement)	C	- details on ISO Online - download area
9.	ISO 8873-2:2007	TC 61/SC 10	Rigid cellular plastics -- Spray-applied polyurethane foam for thermal insulation -- Part 2: Application	Plastiques alvéolaires rigides -- Mousse de polyuréthane projetée pour l'isolation thermique -- Partie 2: Application (disponible en anglais seulement)	R	- details on ISO Online - download area
10.	ISO 8873-3:2007	TC 61/SC 10	Rigid cellular plastics -- Spray-applied polyurethane foam for thermal insulation -- Part 3: Test methods	Plastiques alvéolaires rigides -- Mousse de polyuréthane projetée pour l'isolation thermique -- Partie 3: Méthodes d'essai (disponible en anglais seulement)	J	- details on ISO Online - download area
11.	ISO 15989:2004/Cor 1:2007	TC 61/SC 11	Plastics -- Film and sheeting -- Measurement of water-contact angle of corona-treated films -- Technical Corrigendum 1	Plastiques -- Film et feuille -- Détermination de l'angle de contact avec l'eau des feuillets traités par effluve -- Rectificatif technique 1 (disponible en anglais seulement)	free	- details on ISO Online - download area

12.	ISO 18185-5:2007	TC 104/SC 4	Freight containers -- Electronic seals -- Part 5: Physical layer	Conteneurs pour le transport de marchandises -- Scellés électroniques -- Partie 5: Couche physique (disponible en anglais seulement)	E	- details on ISO Online - download area
13.	ISO 2537:2007	TC 113/SC 5	Hydrometry -- Rotating-element current-meters	Hydrométrie -- Moulinets à élément rotatif (disponible en anglais seulement)	G	- details on ISO Online - download area
14.	ISO/TS 24155:2007	TC 113/SC 5	Hydrometry -- Hydrometric data transmission systems -- Specification of system requirements	Hydrométrie -- Systèmes de transmission des données hydrométriques -- Spécification des exigences des systèmes (disponible en anglais seulement)	Q	- details on ISO Online - download area
15.	ISO 20773:2007	TC 126	Cigarettes -- Determination of nicotine-free dry particulate matter and nicotine in sidestream smoke -- Method using a routine analytical linear smoking machine equipped with a fishtail chimney	Cigarettes -- Détermination de la matière particulaire anhydre et exempte de nicotine et de la nicotine dans le courant secondaire de fumée -- Méthode utilisant une machine à fumer analytique de routine linéaire équipée de cheminées individuelles en forme de queue de poisson	M	- details on ISO Online - download area
16.	ISO 20774:2007	TC 126	Cigarettes -- Determination of carbon monoxide in sidestream smoke -- Method using a routine analytical linear smoking machine equipped with a fishtail chimney	Cigarettes -- Détermination du monoxyde de carbone dans le courant secondaire de fumée -- Méthode utilisant une machine à fumer analytique de routine linéaire équipée d'une cheminée individuelle en forme de queue de poisson	L	- details on ISO Online - download area
17.	ISO 9852:2007	TC 138/SC 5	Unplasticized poly(vinyl chloride) (PVC-U) pipes -- Dichloromethane resistance at specified temperature (DCMT) -- Test method	Tubes en poly(chlorure de vinyle) non plastifié (PVC-U) -- Résistance au dichlorométhane à une température spécifiée (DCMT) -- Méthode d'essai	C	- details on ISO Online - download area
18.	ISO 17713-1:2007	TC 146/SC 5	Meteorology -- Wind measurements -- Part 1: Wind tunnel test methods for rotating anemometer performance	Météorologie -- Mesurages du vent -- Partie 1: Méthodes d'essai en soufflerie pour déterminer les caractéristiques d'un anémomètre tournant (disponible en anglais seulement)	J	- details on ISO Online - download area
19.	ISO 5834-1:2005/Cor 1:2007	TC 150/SC 1	Implants for surgery -- Ultra-high-molecular-weight polyethylene -- Part 1: Powder form -- Technical Corrigendum 1	Implants chirurgicaux -- Polyéthylène à très haute masse moléculaire -- Partie 1: Produits sous forme de poudre -- Rectificatif technique 1	free	- details on ISO Online - download area
20.	ISO 10303-238:2007	TC 184/SC 4	Industrial automation systems and integration -- Product data representation and exchange -- Part 238: Application protocol: Application interpreted model for computerized numerical controllers	Systèmes d'automatisation industrielle et intégration -- Représentation et échange de données de produits -- Partie 238: Protocole d'application: Modèle d'application interprété pour des contrôleurs numériques informatisés (disponible en anglais seulement)	XD	- details on ISO Online - download area
21.	ISO 23470:2007	TC 190/SC 3	Soil quality -- Determination of effective cation exchange capacity (CEC) and exchangeable cations using a hexamminecobalt trichloride solution	Qualité du sol -- Détermination de la capacité d'échange cationique (CEC) effective et des cations échangeables à l'aide d'une solution de trichlorure de cobaltihexammine	H	- details on ISO Online - download area
22.	ISO 19137:2007	TC 211	Geographic information -- Core profile of the spatial schema	Information géographique -- Profil minimal du schéma spatial (disponible en anglais seulement)	G	- details on ISO Online - download area
23.	ISO 15906:2007	TC 226	Carbonaceous materials for the production of aluminium -- Baked anodes -- Determination of the air permeability	Produits carbonés utilisés pour la production de l'aluminium -- Anodes cuites -- Détermination de la perméabilité à l'air (disponible en anglais seulement)	D	- details on ISO Online - download area

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1.	ISO/IEC 13818-2:2000/Cor 2:2006	JTC 1/SC 29	Information technology -- Generic coding of moving pictures and associated audio information: Video -- Part 2: -- Technical Corrigendum 2 (delayed publication of the French version)	Technologies de l'information -- Codage générique des images animées et du son associé: Données vidéo -- Partie 2: -- Rectificatif technique 2	free	- details on ISO Online - download area
2.	ISO/IEC 16388:2007	JTC 1/SC 31	Information technology -- Automatic identification and data capture techniques -- Code 39 bar code symbology specification	Technologies de l'information -- Techniques d'identification automatique et de capture des données -- Spécifications des symbologies des codes à barres, code 39 (disponible en anglais seulement)	J	- details on ISO Online - download area
3.	ISO 20672:2007	TC 8/SC 6	Ships and marine technology -- Rate of turn indicators	Navires et technologie maritime -- Fréquence des indicateurs de direction (disponible en anglais seulement)	C	- details on ISO Online - download area
4.	ISO 20673:2007	TC 8/SC 6	Ships and marine technology -- Electric rudder angle indicators	Navires et technologie maritime -- Indicateurs de direction des gouvernails électriques (disponible en anglais seulement)	C	- details on ISO Online - download area
5.	ISO 17355:2007	TC 20/SC 13	Space data and information transfer systems -- CCSDS file delivery protocol	Systèmes de transfert des informations et données spatiales -- Protocole CCSDS de livraison de fichiers (disponible en anglais seulement)	XB	- details on ISO Online - download area
6.	ISO 7240-22:2007	TC 21/SC 3	Fire detection and alarm systems -- Part 22: Smoke-detection equipment for ducts	Systèmes de détection et d'alarme d'incendie -- Partie 22: Équipement de détection des fumées dans les conduits (disponible en anglais seulement)	S	- details on ISO Online - download area
7.	ISO 16232-1:2007	TC 22/SC 5	Road vehicles -- Cleanliness of components of fluid circuits -- Part 1: Vocabulary	Véhicules routiers -- Propreté des composants des circuits de fluide -- Partie 1: Vocabulaire (disponible en anglais seulement)	F	- details on ISO Online - download area
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10.	ISO 16232-3:2007	TC 22/SC 5	Road vehicles -- Cleanliness of components of fluid circuits -- Part 3: Method of extraction of contaminants by pressure rinsing	Véhicules routiers -- Propreté des composants des circuits de fluide -- Partie 3: Méthode d'extraction des contaminants par aspersion	H	- details on ISO Online - download area

11.	ISO 16232-4:2007	TC 22/SC 5	Road vehicles -- Cleanliness of components of fluid circuits -- Part 4: Method of extraction of contaminants by ultrasonic techniques	Véhicules routiers -- Propreté des composants des circuits de fluide -- Partie 4: Méthode d'extraction des contaminants par ultrasons (disponible en anglais seulement)	J	- details on ISO Online - download area
12.	ISO 16232-5:2007	TC 22/SC 5	Road vehicles -- Cleanliness of components of fluid circuits -- Part 5: Method of extraction of contaminants on functional test bench	Véhicules routiers -- Propreté des composants des circuits de fluide -- Partie 5: Méthode d'extraction des contaminants sur banc d'essai fonctionnel (disponible en anglais seulement)	J	- details on ISO Online - download area
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14.	ISO 16232-7:2007	TC 22/SC 5	Road vehicles -- Cleanliness of components of fluid circuits -- Part 7: Particle sizing and counting by microscopic analysis	Véhicules routiers -- Propreté des composants des circuits de fluide -- Partie 7: Granulométrie et comptage des particules par analyse microscopique (disponible en anglais seulement)	L	- details on ISO Online - download area
15.	ISO 16232-8:2007	TC 22/SC 5	Road vehicles -- Cleanliness of components of fluid circuits -- Part 8: Particle nature determination by microscopic analysis	Véhicules routiers -- Propreté des composants des circuits de fluide -- Partie 8: Détermination de la nature des particules par analyse microscopique (disponible en anglais seulement)	D	- details on ISO Online - download area
16.	ISO 16232-9:2007	TC 22/SC 5	Road vehicles -- Cleanliness of components of fluid circuits -- Part 9: Particle sizing and counting by automatic light extinction particle counter	Véhicules routiers -- Propreté des composants des circuits de fluide -- Partie 9: Granulométrie et comptage des particules au moyen d'un compteur de particules automatique à extinction de la lumière (disponible en anglais seulement)	J	- details on ISO Online - download area
17.	ISO 15901-2:2006/Cor 1:2007	TC 24/SC 4	Pore size distribution and porosity of solid materials by mercury porosimetry and gas adsorption -- Part 2: Analysis of mesopores and macropores by gas adsorption -- Technical Corrigendum 1	Distribution des dimensions des pores et porosité des matériaux solides par porosimétrie au mercure et par adsorption de gaz -- Partie 2: Analyse des mésopores et des macropores par adsorption de gaz -- Rectificatif technique 1 (disponible en anglais seulement)	free	- details on ISO Online - download area
18.	ISO 21501-2:2007	TC 24/SC 4	Determination of particle size distribution -- Single particle light interaction methods -- Part 2: Light scattering liquid-borne particle counter	Détermination de la distribution granulométrique -- Méthodes d'interaction lumineuse de particules uniques -- Partie 2: Compteur de particules en suspension dans un liquide en lumière dispersée (disponible en anglais seulement)	H	- details on ISO Online - download area
19.	ISO 21501-3:2007	TC 24/SC 4	Determination of particle size distribution -- Single particle light interaction methods -- Part 3: Light extinction liquid-borne particle counter	Détermination de la distribution granulométrique -- Méthodes d'interaction lumineuse de particules uniques -- Partie 3: Compteur de particules en suspension dans un liquide par extinction de la lumière (disponible en anglais seulement)	F	- details on ISO Online - download area
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22.	ISO 6883:2007	TC 34/SC 11	Animal and vegetable fats and oils -- Determination of conventional mass per volume (litre weight in air)	Corps gras d'origines animale et végétale -- Détermination de la masse volumique conventionnelle (poids du litre dans l'air)	E	- details on ISO Online - download area
23.	ISO 17932:2005	TC 34/SC 11	Animal and vegetable fats and oils -- Determination of the deterioration of bleachability index (DOBI) (delayed publication of the French version)	Corps gras d'origines animale et végétale -- Détermination de la détérioration de l'indice de blanchiment (DOBI)	C	- details on ISO Online - download area
24.	ISO 18395:2005	TC 34/SC 11	Animal and vegetable fats and oils -- Determination of monoacylglycerols, diacylglycerols, triacylglycerols and glycerol by high-performance size-exclusion chromatography (HPSEC) (delayed publication of the French version)	Corps gras d'origines animale et végétale -- Détermination de la teneur en monoacylglycérides, en diacylglycérides, en triacylglycérides et en glycérol par chromatographie d'exclusion haute performance (CLHP d'exclusion)	E	- details on ISO Online - download area
25.	ISO 2409:2007	TC 35/SC 9	Paints and varnishes -- Cross-cut test	Peintures et vernis -- Essai de quadrillage	F	- details on ISO Online - download area
26.	ISO 1795:2007	TC 45/SC 3	Rubber, raw natural and raw synthetic - Sampling and further preparative procedures	Caoutchouc, naturel brut et synthétique brut - Méthodes d'échantillonnage et de préparation ultérieure (disponible en anglais seulement)	C	- details on ISO Online - download area
27.	ISO 4656:2007	TC 45/SC 3	Rubber compounding ingredients -- Carbon black -- Determination of oil absorption number (OAN) and oil absorption number of compressed sample (COAN)	Ingrédients de mélange du caoutchouc -- Noir de carbone -- Détermination de l'indice d'absorption d'huile (OAN) et de l'indice d'absorption d'huile d'échantillons comprimés (COAN)	H	- details on ISO Online - download area
28.	ISO 7823-3:2007	TC 61/SC 11	Plastics -- Poly(methyl methacrylate) sheets -- Types, dimensions and	Plastiques -- Plaques en poly(méthacrylate de méthyle) -- Types, dimensions et	E	- details on ISO Online - download area

		characteristics -- Part 3: Continuous cast sheets	caractéristiques -- Partie 3: Plaques coulées continues		
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30. ISO 9803-1:2007	TC 112	Vacuum technology -- Mounting dimensions of pipeline fittings -- Part 1: Non knife-edge flange type	Technique du vide -- Dimensions de montage des raccords de conduit -- Partie 1: Brides de type sans guillotine	C	- details on ISO Online - download area
31. ISO 9803-2:2007	TC 112	Vacuum technology -- Mounting dimensions of pipeline fittings -- Part 2: Knife-edge flange type	Technique du vide -- Dimensions de montage des raccords de conduit -- Partie 2: Brides de type à guillotine	C	- details on ISO Online - download area
32. ISO 9459-5:2007	TC 180/SC 4	Solar heating -- Domestic water heating systems -- Part 5: System performance characterization by means of whole-system tests and computer simulation	Chauffage solaire -- Systèmes de chauffage de l'eau sanitaire -- Partie 5: Caractérisation de la performance des systèmes au moyen d'essais effectués sur l'ensemble du système et par simulation sur ordinateur (disponible en anglais seulement)	Q	- details on ISO Online - download area
33. ISO 11737-1:2006/Cor 1:2007	TC 198	Sterilization of medical devices -- Microbiological methods -- Part 1: Determination of a population of microorganisms on products -- Technical Corrigendum 1	Stérilisation des dispositifs médicaux -- Méthodes microbiologiques -- Partie 1: Détermination d'une population de micro-organismes sur des produits -- Rectificatif technique 1	free	- details on ISO Online - download area
34. ISO 11161:2007	TC 199	Safety of machinery -- Integrated manufacturing systems -- Basic requirements	Sécurité des machines -- Systèmes de fabrication intégrés -- Prescriptions fondamentales	R	- details on ISO Online - download area
35. ISO 14119:1998/Amd 1:2007	TC 199	Safety of machinery -- Interlocking devices associated with guards -- Principles for design and selection -- Amendment 1: Design to minimize defeat possibilities	Sécurité des machines -- Dispositifs de verrouillage associés à des protecteurs -- Principes de conception et de choix -- Amendement 1: Conception réduisant les possibilités de neutralisation	XZ	- details on ISO Online - download area
36. IWA 2:2007	ISO/TMB	Quality management systems -- Guidelines for the application of ISO 9001:2000 in education	Systèmes de management de la qualité -- Lignes directrices pour l'application de l'ISO 9001:2000 dans l'éducation (disponible en anglais seulement)	M	- details on ISO Online - download area

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1.	ISO/IEC 8825-2:2002/Amd 2:2007	JTC 1/SC 6	Information technology -- ASN.1 encoding rules: Specification of Packed Encoding Rules (PER) -- Part 2: -- Amendment 2: Time type support (delayed publication of the French version)	Technologies de l'information -- Règles de codage ASN.1: Spécification des règles de codage compact (PER) -- Partie 2: -- Amendement 2: Prise en compte des types de temps	XZ	- details on ISO Online - download area
2.	ISO/IEC 25020:2007	JTC 1/SC 7	Software engineering -- Software product Quality Requirements and Evaluation (SQuaRE) -- Measurement reference model and guide	Ingénierie du logiciel -- Exigences de qualité du produit logiciel et évaluation (SQuaRE) -- Modèle de référence de mesure et guide (disponible en anglais seulement)	H	- details on ISO Online - download area
3.	ISO 15360-2:2001/Cor 1:2007	TC 6/SC 5	Recycled pulps -- Estimation of Stickies and Plastics -- Part 2: Image analysis method -- Technical Corrigendum 1	Pâtes recyclées -- Estimation des matières collantes et des matières plastiques -- Partie 2: Méthode par analyse d'image -- Rectificatif technique 1	free	- details on ISO Online - download area
4.	ISO 14513:2006/Cor 1:2007	TC 22/SC 10	Road vehicles -- Pedestrian protection -- Head impact test method -- Technical Corrigendum 1	Véhicules routiers -- Protection des piétons -- Méthode d'essai de choc de la tête -- Rectificatif technique 1	free	- details on ISO Online - download area
5.	ISO/TS 22003:2007	TC 34	Food safety management systems -- Requirements for bodies providing audit and certification of food safety management systems (delayed publication of the French version)	Systèmes de management de la sécurité des denrées alimentaires -- Exigences pour les organismes procédant à l'audit et à la certification de systèmes de management de la sécurité des denrées alimentaires	H	- details on ISO Online - download area
6.	ISO 10470:2004	TC 34/SC 15	Green coffee -- Defect reference chart (corrected)	Café vert -- Table de référence des défauts (corrigé)	H	- details on ISO Online - download area
7.	ISO 16276-1:2007	TC 35/SC 14	Corrosion protection of steel structures by protective paint systems -- Assessment of, and acceptance criteria for, the adhesion/cohesion (fracture strength) of a coating -- Part 1: Pull-off testing	Anticorrosion des structures en acier par systèmes de peinture -- Évaluation et critères d'acceptation de l'adhésion/cohésion (résistance à la rupture) d'un revêtement -- Partie 1: Essai de traction	E	- details on ISO Online - download area
8.	ISO 16276-2:2007	TC 35/SC 14	Corrosion protection of steel structures by protective paint systems -- Assessment of, and acceptance criteria for, the adhesion/cohesion (fracture strength) of a coating -- Part 2: Cross-cut testing and X-cut testing	Anticorrosion des structures en acier par systèmes de peintures -- Évaluation et critères d'acceptation de l'adhésion/cohésion (résistance à la rupture) d'un revêtement -- Partie 2: Essai de quadrillage et essai à la croix de Saint André	E	- details on ISO Online - download area
9.	ISO 5794-1:2005/Cor 2:2007	TC 45/SC 3	Rubber compounding ingredients -- Silica, precipitated, hydrated -- Part 1: Non-rubber tests -- Technical Corrigendum 2	Ingrédients de mélange du caoutchouc -- Silices hydratées précipitées -- Partie 1: Essais sur le produit brut -- Rectificatif technique 2	free	- details on ISO Online - download area

10.	ISO 6916-1:1995/Amd 1:2007	TC 45/SC 4	Flexible cellular polymeric materials -- Sponge and expanded cellular rubber products -- Specification -- Part 1: Sheeting -- Amendment 1	Polymères alvéolaires souples -- Caoutchoucs alvéolaires mousses et souples -- Spécification -- Partie 1: Feuille -- Amendement 1 (disponible en anglais seulement)	XZ	- details on ISO Online - download area
11.	ISO 11193-1:2002/Amd 1:2007	TC 45/SC 4	Single-use medical examination gloves -- Part 1: Specification for gloves made from rubber latex or rubber solution -- Amendment 1	Gants en caoutchouc pour examen, non réutilisables -- Partie 1: Spécifications pour gants fabriqués à partir de latex de caoutchouc ou d'une solution de caoutchouc -- Amendement 1 (disponible en anglais seulement)	XZ	- details on ISO Online - download area
12.	ISO 307:2007	TC 61/SC 9	Plastics -- Polyamides -- Determination of viscosity number	Plastiques -- Polyamides -- Détermination de l'indice de viscosité (disponible en anglais seulement)	Q	- details on ISO Online - download area
13.	ISO 16220:2005/Amd 1:2007	TC 79/SC 5	Magnesium and magnesium alloys -- Magnesium alloy ingots and castings -- Amendment 1: Additional alloys	Magnésium et alliages de magnésium -- Lingots et pièces moulées en alliage de magnésium -- Amendement 1: Alliages supplémentaires (disponible en anglais seulement)	XZ	- details on ISO Online - download area
14.	ISO 9727-1:2007	TC 87	Cylindrical cork stoppers -- Physical tests -- Part 1: Determination of dimensions	Bouchons cylindriques en liège -- Essais physiques -- Partie 1: Détermination des dimensions	B	- details on ISO Online - download area
15.	ISO 9727-2:2007	TC 87	Cylindrical cork stoppers -- Physical tests -- Part 2: Determination of mass and apparent density for agglomerated cork stoppers	Bouchons cylindriques en liège -- Essais physiques -- Partie 2: Détermination de la masse et de la masse volumique apparente des bouchons de liège agglomérés	B	- details on ISO Online - download area
16.	ISO 9727-3:2007	TC 87	Cylindrical cork stoppers -- Physical tests -- Part 3: Determination of humidity content	Bouchons cylindriques en liège -- Essais physiques -- Partie 3: Détermination du taux d'humidité	B	- details on ISO Online - download area
17.	ISO 9727-4:2007	TC 87	Cylindrical cork stoppers -- Physical tests -- Part 4: Determination of dimensional recovery after compression	Bouchons cylindriques en liège -- Essais physiques -- Partie 4: Détermination du taux de retour dimensionnel après compression	B	- details on ISO Online - download area
18.	ISO 9727-5:2007	TC 87	Cylindrical cork stoppers -- Physical tests -- Part 5: Determination of extraction force	Bouchons cylindriques en liège -- Essais physiques -- Partie 5: Détermination de la force d'extraction	B	- details on ISO Online - download area
19.	ISO 9727-6:2007	TC 87	Cylindrical cork stoppers -- Physical tests -- Part 6: Determination of liquid tightness	Bouchons cylindriques en liège -- Essais physiques -- Partie 6: Détermination de l'étanchéité aux liquides	B	- details on ISO Online - download area
20.	ISO 9727-7:2007	TC 87	Cylindrical cork stoppers -- Physical tests -- Part 7: Determination of dust content	Bouchons cylindriques en liège -- Essais physiques -- Partie 7: Détermination de la quantité de poussières	B	- details on ISO Online - download area
21.	ISO 22159:2007	TC 94/SC 4	Personal equipment for protection against falls -- Descending devices	Équipement personnel de protection contre les chutes -- Dispositifs de descente (disponible en anglais seulement)	T	- details on ISO Online - download area
22.	ISO 21606:2007	TC 106/SC 1	Dentistry -- Elastomeric auxiliaries for use in orthodontics	Art dentaire -- Auxiliaires élastomères utilisés en orthodontie	D	- details on ISO Online - download area
23.	ISO/TR 14569-1:2007	TC 106/SC 2	Dental materials -- Guidance on testing of wear -- Part 1: Wear by toothbrushing	Produits dentaires -- Recommandations relatives aux essais de résistance à l'usure - - Partie 1: Usure par brossage des dents (disponible en anglais seulement)	C	- details on ISO Online - download area
24.	ISO 2328:2007	TC 110/SC 2	Fork-lift trucks -- Hook-on type fork arms and fork arm carriages -- Mounting dimensions	Chariots élévateurs à fourche -- Bras de fourche à tenons et tabliers porte-fourches - - Dimensions de montage	C	- details on ISO Online - download area
25.	ISO 3455:2007	TC 113/SC 5	Hydrometry -- Calibration of current-meters in straight open tanks	Hydrométrie -- Étalonnage des moulinets en bassins découverts rectilignes (disponible en anglais seulement)	H	- details on ISO Online - download area
26.	ISO 4366:2007	TC 113/SC 5	Hydrometry -- Echo sounders for water depth measurements	Hydrométrie -- Sondeurs à écho pour le mesurage de la profondeur de l'eau (disponible en anglais seulement)	G	- details on ISO Online - download area
27.	ISO 7451:2007	TC 127/SC 1	Earth-moving machinery -- Volumetric ratings for hoe-type and grab-type buckets of hydraulic excavators and backhoe loaders	Engins de terrassement -- Évaluations volumétriques des godets travaillant en rétro et des bennes preneuses de pelles hydrauliques et de chargeuses-pelleteuses	G	- details on ISO Online - download area
28.	ISO 23309:2007	TC 131/SC 6	Hydraulic fluid power systems -- Assembled systems -- Methods of cleaning lines by flushing	Transmissions hydrauliques -- Systèmes assemblés -- Méthodes de nettoyage des canalisations par curage	D	- details on ISO Online - download area
29.	ISO 10396:2007	TC 146/SC 1	Stationary source emissions -- Sampling for the automated determination of gas emission concentrations for permanently-installed monitoring systems (delayed publication of the French version)	Émissions de sources fixes -- Échantillonnage pour la détermination automatisée des concentrations d'émission de gaz pour des systèmes fixes de surveillance	M	- details on ISO Online - download area
30.	ISO 14577-4:2007	TC 164/SC 3	Metallic materials -- Instrumented indentation test for hardness and materials parameters -- Part 4: Test method for metallic and non-metallic coatings	Matériaux métalliques -- Essai de pénétration instrumenté pour la détermination de la dureté et de paramètres des matériaux -- Partie 4: Méthode d'essai pour les revêtements métalliques et non métalliques	M	- details on ISO Online - download area
31.	ISO 9334:2007	TC 172/SC 1	Optics and photonics -- Optical transfer function -- Definitions and mathematical relationships (Trilingual edition)	Optique et photonique -- Fonction de transfert optique -- Définitions et relations mathématiques (Édition trilingue)	N	- details on ISO Online - download area
32.	ISO 19012-1:2007	TC 172/SC 5	Optics and photonics -- Designation of microscope objectives -- Part 1: Flatness	Optique et photonique -- Désignation des objectifs de microscope -- Partie 1: Planéité	C	- details on ISO Online - download area

	of field/Plan		du champ/Plan (disponible en anglais seulement)		
33.	ISO 10218-1:2006/Cor 1:2007	TC 184/SC 2	Robots for industrial environments -- Safety requirements -- Part 1: Robot -- Technical Corrigendum 1	Robots pour environnements industriels -- Exigences de sécurité -- Partie 1: Robot -- Rectificatif technique 1	free - details on ISO Online - download area
34.	ISO 10303-111:2007	TC 184/SC 4	Industrial automation systems and integration -- Product data representation and exchange -- Part 111: Integrated application resource : Elements for the procedural modelling of solid shapes	Systèmes d'automatisation industrielle et intégration -- Représentation et échange de données de produits -- Partie 111: Ressources d'application intégrée: Éléments pour la modélisation procédurale des formes solides (disponible en anglais seulement)	X - details on ISO Online - download area

ISO/Standard Week/Semaine 21 (2007)

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List of ISO standards and other deliverables published between 2007-05-21 and 2007-05-27

#	Reference	Committee	Title	Titre	Price Group	Actions
1.	ISO/IEC 14165-414:2007	JTC 1/SC 25	Information technology -- Fibre Channel -- Part 414: Generic Services -- 4 (FC-GS-4)	Technologies de l'information -- Canal de fibres -- Partie 414: (disponible en anglais seulement)	XH	- details on ISO Online - download area
2.	ISO/IEC 14543-3-5:2007	JTC 1/SC 25	Information technology -- Home electronic system (HES) architecture -- Part 3-5: Media and media dependent layers -- Power line for network based control of HES Class 1	Technologies de l'information -- Architecture des systèmes électroniques domotiques (HES) -- Partie 3-5: (disponible en anglais seulement)	R	- details on ISO Online - download area
3.	ISO 1833-6:2007	TC 38	Textiles -- Quantitative chemical analysis -- Part 6: Mixtures of viscose or certain types of cupro or modal or lyocell and cotton fibres (method using formic acid and zinc chloride)	Textiles -- Analyse chimique quantitative -- Partie 6: Mélanges de viscose ou de certains types de cupro, modal ou lyocell et de fibres de coton (méthode à l'acide formique et au chlorure de zinc)	B	- details on ISO Online - download area
4.	ISO 10722:2007	TC 221	Geosynthetics -- Index test procedure for the evaluation of mechanical damage under repeated loading -- Damage caused by granular material	Géosynthétiques -- Mode opératoire d'essai pour évaluer l'endommagement mécanique sous charge répétée -- Endommagement causé par des matériaux granulaires	C	- details on ISO Online - download area

ISO/Standard Week/Semaine 22 (2007)

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1.	ISO/IEC 24824-1:2007	JTC 1/SC 6	Information technology -- Generic applications of ASN.1: Fast infonet -- Part 1: (delayed publication of the French version)	Technologies de l'information -- Applications génériques de l'ASN.1: Infonet rapide -- Partie 1:	X	- details on ISO Online - download area
2.	ISO/IEC 15417:2007	JTC 1/SC 31	Information technology -- Automatic identification and data capture techniques -- Code 128 bar code symbology specification	Technologies de l'information -- Techniques d'identification automatique et de capture des données -- Spécifications des symbologies des codes à barres, code 128 (disponible en anglais seulement)	M	- details on ISO Online - download area
3.	ISO/IEC 19794-10:2007	JTC 1/SC 37	Information technology -- Biometric data interchange formats -- Part 10: Hand geometry silhouette data	Technologies de l'information -- Formats d'échange de données biométriques -- Partie 10: Données de la silhouette de la géométrie de la main (disponible en anglais seulement)	L	- details on ISO Online - download area
4.	ISO 80000-8:2007	TC 12	Quantities and units -- Part 8: Acoustics	Grandeurs et unités -- Partie 8: Acoustique	G	- details on ISO Online - download area
5.	ISO 7634:2007	TC 22/SC 2	Road vehicles -- Compressed air braking systems for towed vehicles including those with electronic braking control functions -- Test procedures	Véhicules routiers -- Dispositifs de freinage à air comprimé pour véhicules remorqués, y compris ceux avec fonctions de commande de freinage électroniques -- Modes opératoires d'essai (disponible en anglais seulement)	U	- details on ISO Online - download area
6.	ISO 1103:2007	TC 22/SC 4	Road vehicles -- Coupling balls for caravans and light trailers -- Dimensions	Véhicules routiers -- Boules d'attelage pour caravanes et remorques légères -- Caractéristiques dimensionnelles	D	- details on ISO Online - download area
7.	ISO 11783-13:2007	TC 23/SC 19	Tractors and machinery for agriculture and forestry -- Serial control and communications data network -- Part 13: File server	Tracteurs et matériels agricoles et forestiers -- Réseaux de commande et de communication de données en série -- Partie 13: Serveur de fichiers (disponible en anglais seulement)	R	- details on ISO Online - download area
8.	ISO 21398:2007	TC 27/SC 4	Hard coal and coke -- Guidance to the inspection of mechanical sampling systems	Houille et coke -- Lignes directrices pour l'inspection des systèmes d'échantillonnage mécanique (disponible en anglais seulement)	M	- details on ISO Online - download area
9.	ISO 10081-4:2007	TC 33	Classification of dense shaped refractory products -- Part 4: Special products	Classification des produits réfractaires façonnés denses -- Partie 4: Produits spéciaux	E	- details on ISO Online - download area
10.	ISO 15181-1:2007	TC 35/SC 9	Paints and varnishes -- Determination of release rate of biocides from antifouling paints -- Part 1: General method for extraction of biocides	Peintures et vernis -- Détermination du taux de lixiviation des biocides contenus dans les peintures antisalissures -- Partie 1: Méthode générale d'extraction des biocides	E	- details on ISO Online - download area
11.	ISO 15181-2:2007	TC 35/SC 9	Paints and varnishes -- Determination of	Peintures et vernis -- Détermination du taux de	E	- details on ISO Online

		release rate of biocides from antifouling paints -- Part 2: Determination of copper concentration in the extract and calculation of the release rate	lixiviation des biocides contenus dans les peintures antisalissures -- Partie 2: Détermination de la concentration ionique du cuivre dans l'extrait et calcul du taux de lixiviation		- download area
12.	ISO 15181-3:2007	TC 35/SC 9 Paints and varnishes -- Determination of release rate of biocides from antifouling paints -- Part 3: Calculation of the zinc ethylene-bis(dithiocarbamate) (zineb) release rate by determination of the concentration of ethylenethiourea in the extract	Peintures et vernis -- Détermination du taux de lixiviation des biocides contenus dans les peintures antisalissures -- Partie 3: Calcul du taux de lixiviation de l'éthylène-bis (dithiocarbamate) de zinc (zineb) par détermination de la concentration d'éthylènethiourée dans l'extrait	F	- details on ISO Online - download area
13.	ISO 8501-1:2007	TC 35/SC 12 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 (Bilingual edition)	Préparation des subjectiles d'acier avant application de peintures et de produits assimilés -- Evaluation visuelle de la propreté d'un subjectile -- Partie 1: Degrés de rouille et degrés de préparation des subjectiles d'acier non recouverts et des subjectiles d'acier après décapage sur toute la surface des revêtements précédents (Edition bilingue)	W	- details on ISO Online - download area
14.	ISO 20743:2007	TC 38 Textiles -- Determination of antibacterial activity of antibacterial finished products	Textiles -- Détermination de l'activité antibactérienne des produits finis antibactériens	N	- details on ISO Online - download area
15.	ISO 5130:2007	TC 43/SC 1 Acoustics -- Measurements of sound pressure level emitted by stationary road vehicles	Acoustique -- Mesurages du niveau de pression acoustique émis par les véhicules routiers en stationnement (disponible en anglais seulement)	J	- details on ISO Online - download area
16.	ISO 7267-3:2007	TC 45/SC 2 Rubber-covered rollers -- Determination of apparent hardness -- Part 3: Pusey and Jones method	Cylindres revêtus de caoutchouc -- Détermination de la dureté apparente -- Partie 3: Méthode Pusey et Jones	C	- details on ISO Online - download area
17.	ISO 6452:2007	TC 45/SC 4 Rubber- or plastics-coated fabrics -- Determination of fogging characteristics of trim materials in the interior of automobiles	Textiles revêtus de caoutchouc ou de plastique -- Détermination des caractéristiques d'embuage des matériaux de garnissage utilisés dans l'habitacle automobile	F	- details on ISO Online - download area
18.	ISO 21360:2007	TC 112 Vacuum technology -- Standard methods for measuring vacuum-pump performance -- General description	Technique du vide -- Méthodes normalisées pour mesurer les performances des pompes à vide -- Description générale (disponible en anglais seulement)	N	- details on ISO Online - download area
19.	ISO 8454:2007	TC 126 Cigarettes -- Determination of carbon monoxide in the vapour phase of cigarette smoke -- NDIR method	Cigarettes -- Dosage du monoxyde de carbone dans la phase gazeuse de la fumée de cigarette -- Méthode IRND	D	- details on ISO Online - download area
20.	ISO 9920:2007	TC 159/SC 5 Ergonomics of the thermal environment -- Estimation of thermal insulation and water vapour resistance of a clothing ensemble	Ergonomie des ambiances thermiques -- Détermination de l'isolement thermique et de la résistance à l'évaporation d'une tenue vestimentaire (disponible en anglais seulement)	XA	- details on ISO Online - download area
21.	ISO 15821:2007	TC 162 Doorsets and windows -- Water-tightness test under dynamic pressure -- Cyclonic aspects	Blocs portes et fenêtres -- Essai d'étanchéité à l'eau sous pression dynamique -- Aspects cycloniques (disponible en anglais seulement)	E	- details on ISO Online - download area
22.	ISO 10275:2007	TC 164/SC 2 Metallic materials -- Sheet and strip -- Determination of tensile strain hardening exponent	Matériaux métalliques -- Tôles et bandes -- Détermination du coefficient d'écroutissage en traction	E	- details on ISO Online - download area
23.	ISO 8124-1:2000/Amd 1:2007	TC 181 Safety of toys -- Part 1: Safety aspects related to mechanical and physical properties -- Amendment 1	Sécurité des jouets -- Partie 1: Aspects de sécurité relatifs aux propriétés mécaniques et physiques -- Amendement 1 (disponible en anglais seulement)	XZ	- details on ISO Online - download area
24.	ISO 8124-1:2000/Amd 2:2007	TC 181 Safety of toys -- Part 1: Safety aspects related to mechanical and physical properties -- Amendment 2	Sécurité des jouets -- Partie 1: Aspects de sécurité relatifs aux propriétés mécaniques et physiques -- Amendement 2 (disponible en anglais seulement)	XZ	- details on ISO Online - download area
25.	ISO 463:2006/Cor 1:2007	TC 213 Geometrical Product Specifications (GPS) -- Dimensional measuring equipment -- Design and metrological characteristics of mechanical dial gauges -- Technical Corrigendum 1	Spécification géométrique des produits (GPS) -- Instruments de mesurage dimensionnel: Comparsateurs mécaniques à cadran -- Caractéristiques de conception et caractéristiques métrologiques -- Rectificatif technique 1	free	- details on ISO Online - download area
26.	ISO 8062-1:2007	TC 213 Geometrical product specifications (GPS) -- Dimensional and geometrical tolerances for moulded parts -- Part 1: Vocabulary (Bilingual edition)	Spécification géométrique des produits (GPS) -- Tolérances dimensionnelles et géométriques des pièces moulées -- Partie 1: Vocabulaire (Edition bilingue)	L	- details on ISO Online - download area
27.	ISO 8062-3:2007	TC 213 Geometrical product specifications (GPS) -- Dimensional and geometrical tolerances for moulded parts -- Part 3: General dimensional and geometrical tolerances and machining allowances for castings	Spécification géométrique des produits (GPS) -- Tolérances dimensionnelles et géométriques des pièces moulées -- Partie 3: Tolérances dimensionnelles et géométriques générales et surépaisseurs d'usinage pour les pièces moulées	P	- details on ISO Online - download area
28.	ISO 21013-2:2007	TC 220 Cryogenic vessels -- Pressure-relief accessories for cryogenic service -- Part 2: Non-reclosable pressure-relief devices	Réceptacles cryogéniques -- Dispositifs de sécurité pour le service cryogénique -- Partie 2: Dispositifs de sécurité non refermables (disponible en anglais seulement)	C	- details on ISO Online - download area

ISO DIS/FDIS BALLOTING (OPEN BALLOTS) 2007-05-27

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

ISO/FDIS 3954

Powders for powder metallurgical purposes -- Sampling
Committee : ISO/TC 119/SC 2 CEN (ISO lead)
Close of voting: 2007-07-24

ISO/FDIS 20280

Soil quality -- Determination of arsenic, antimony and selenium in aqua regia soil extracts with electrothermal or hydride-generation atomic absorption spectrometry
Committee : ISO/TC 190/SC 3
Close of voting: 2007-07-24

ISO/FDIS 8836

Suction catheters for use in the respiratory tract
Committee : ISO/TC 121/SC 2
Close of voting: 2007-07-25

ISO/FDIS 23559

Plastics -- Film and sheeting -- Guidance on the testing of thermoplastic films
Committee : ISO/TC 61/SC 11
Close of voting: 2007-07-29

ISO/FDIS 5529

Wheat -- Determination of the sedimentation index -- Zeleny test
Committee : ISO/TC 34/SC 4
Close of voting: 2007-07-30

ISO/FDIS 21847-3

Nuclear fuel technology -- Alpha spectrometry -- Part 3: Determination of uranium 232 in uranium and its compounds
Committee : ISO/TC 85/SC 5
Close of voting: 2007-07-30

ISO/FDIS 21847-1

Nuclear fuel technology -- Alpha spectrometry -- Part 1: Determination of neptunium in uranium and its compounds
Committee : ISO/TC 85/SC 5
Close of voting: 2007-07-30

ISO/FDIS 21847-2

Nuclear fuel technology -- Alpha spectrometry -- Part 2: Determination of plutonium in uranium and its compounds
Committee : ISO/TC 85/SC 5
Close of voting: 2007-07-30

ISO/DIS 5821

Resistance spot welding electrode caps
Committee : ISO/TC 44/SC 6
Close of voting: 2007-10-30

ISO/DIS 25378

Geometrical product specifications (GPS) -- Specification -- Characteristics and conditions
Committee : ISO/TC 213 CEN (ISO lead)
Close of voting: 2007-10-31

ISO DIS/FDIS BALLOTING (OPEN BALLOTS) 2007-06-03

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

ISO/FDIS 3673-2

Plastics -- Epoxy resins -- Part 2: Preparation of test specimens and determination of properties
Committee : ISO/TC 61/SC 12
Close of voting: 2007-08-01

ISO/FDIS 10110-12

Optics and photonics -- Preparation of drawings for optical elements and systems -- Part 12: Aspheric surfaces
Committee : ISO/TC 172/SC 1
Close of voting: 2007-08-01

ISO/FDIS 18695

Textiles -- Determination of resistance to water penetration -- Impact penetration test
Committee : ISO/TC 38/SC 2
Close of voting: 2007-08-04

ISO/FDIS 12127-1

Clothing for protection against heat and flame -- Determination of contact heat transmission through protective clothing or constituent materials -- Part 1: Test method

Committee : ISO/TC 94/SC 13

Close of voting: 2007-08-04

ISO/FDIS 4700

Iron ore pellets for blast furnace and direct reduction feedstocks -- Determination of the crushing strength

Committee : ISO/TC 102/SC 3

Close of voting: 2007-08-04

ISO/FDIS 24535

Intelligent transport systems -- Automatic vehicle identification -- Basic electronic registration identification (Basic ERI)

Committee : ISO/TC 204

Close of voting: 2007-08-04

ISO/IEC FDIS 23004-4

Information technology -- Multimedia Middleware -- Part 4: Resource and quality management

Committee : ISO/IEC/JTC 1/SC 29

Close of voting: 2007-08-05

ISO/IEC FDIS 23004-1

Information technology -- Multimedia Middleware -- Part 1: Architecture

Committee : ISO/IEC/JTC 1/SC 29

Close of voting: 2007-08-05

ISO/IEC FDIS 23004-3

Information technology -- Multimedia Middleware -- Part 3: Component model

Committee : ISO/IEC/JTC 1/SC 29

Close of voting: 2007-08-05

ISO/FDIS 8371

Iron ores for blast furnace feedstocks -- Determination of the decrepitation index

Committee : ISO/TC 102/SC 3

Close of voting: 2007-08-06

ISO/FDIS 216.2

Writing paper and certain classes of printed matter -- Trimmed sizes -- A and B series, and indication of machine direction

Committee : ISO/TC 6 CEN (ISO lead)

Close of voting: 2007-08-07

ISO/FDIS 14596

Petroleum products -- Determination of sulfur content -- Wavelength-dispersive X-ray fluorescence spectrometry

Committee : ISO/TC 28 CEN (ISO lead)

Close of voting: 2007-08-07

ISO/FDIS 18595

Resistance welding -- Spot welding of aluminium and aluminium alloys -- Weldability, welding and testing

Committee : ISO/TC 44/SC 6 CEN (ISO lead)

Close of voting: 2007-08-07

ISO 3582:2000/FDAmD 1

Flexible cellular polymeric materials -- Laboratory assessment of horizontal burning characteristics of small specimens subjected to a small flame -- Amendment 1

Committee : ISO/TC 45/SC 4 CEN (ISO lead)

Close of voting: 2007-08-07

ISO/FDIS 10364

Structural adhesives -- Determination of the pot life (working life) of multi-component adhesives

Committee : ISO/TC 61/SC 11

Close of voting: 2007-08-08

ISO/DIS 23584-1

Optics and photonics -- Specification of reference dictionary -- Part 1: General overview on organization and structure

Committee : ISO/TC 172

Close of voting: 2007-11-04

ISO/DIS 21278-1.2

Equipment for crop protection -- Induction hoppers -- Part 1: Test methods

Committee : ISO/TC 23/SC 6

Close of voting: 2007-11-05

ISO/DIS 21278-2

Equipment for crop protection -- Induction hoppers -- Part 2: Performance limits

Committee : ISO/TC 23/SC 6

Close of voting: 2007-11-05

ISO/DIS 287

Paper and board -- Determination of moisture content of a lot -- Oven-drying method
 Committee : ISO/TC 6/SC 2 CEN (ISO lead)
 Close of voting: 2007-11-07

ISO/DIS 27874

Metallic coatings -- Electrodeposited gold and gold alloy coatings for electrical, electronic and engineering purposes --
 Specification and test methods
 Committee : ISO/TC 107/SC 3 CEN (ISO lead)
 Close of voting: 2007-11-07

ISO DIS/FDIS BALLOTING (OPEN BALLOTS) 2006-06-06

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

ISO/DIS 15740

Photography -- Electronic still picture imaging -- Picture transfer protocol (PTP) for digital still photography devices
 Committee : ISO/TC 42
 Close of voting: 2007-11-04

ISO/DIS 16773-3

Paints and varnishes -- Electrochemical impedance spectroscopy (EIS) on high-impedance coated specimens -- Part 3:
 Processing and analysis of data from dummy cells
 Committee : ISO/TC 35/SC 9 CEN (ISO lead)
 Close of voting: 2007-11-07

ISO/DIS 2081

Metallic coatings -- Electroplated coatings of zinc with supplementary treatments on iron or steel
 Committee : ISO/TC 107/SC 3 CEN (ISO lead)
 Close of voting: 2007-11-07

ISO/DIS 15752

Ophthalmic instruments -- Endoilluminators -- Fundamental requirements and test methods for optical radiation safety
 Committee : ISO/TC 172/SC 7 CEN (ISO lead)
 Close of voting: 2007-11-07

ISO DIS/FDIS BALLOTING (OPEN BALLOTS) 2006-06-10

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

ISO/FDIS 3245

Rolling bearings -- Needle roller bearings, drawn cup without inner rings -- Boundary dimensions and tolerances
 Committee : ISO/TC 4/SC 5
 Close of voting: 2007-08-06

ISO/FDIS 23553-1

Safety and control devices for oil burners and oil-burning appliances -- Particular requirements -- Part 1: Shut-off devices for
 oil burners
 Committee : ISO/TC 161
 Close of voting: 2007-08-08

ISO/FDIS 3008

Fire-resistance tests -- Door and shutter assemblies
 Committee : ISO/TC 92/SC 2
 Close of voting: 2007-08-11

ISO/FDIS 15115

Leather -- Vocabulary
 Committee : ISO/TC 120
 Close of voting: 2007-08-11

ISO/FDIS 11783-3

Tractors and machinery for agriculture and forestry -- Serial control and communications data network -- Part 3: Data link
 layer
 Committee : ISO/TC 23/SC 19
 Close of voting: 2007-08-12

ISO/FDIS 18589-2

Measurement of radioactivity in the environment -- Soil -- Part 2: Guidance for the selection of the sampling strategy,
 sampling and pre-treatment of samples
 Committee : ISO/TC 85/SC 2
 Close of voting: 2007-08-12

ISO/FDIS 18589-3

Measurement of radioactivity in the environment -- Soil -- Part 3: Measurement of gamma-emitting radionuclides

Committee : ISO/TC 85/SC 2

Close of voting: 2007-08-12

ISO/FDIS 21534

Non-active surgical implants -- Joint replacement implants -- Particular requirements

Committee : ISO/TC 150/SC 4 CEN (ISO lead)

Close of voting: 2007-08-14

ISO/FDIS 21535

Non-active surgical implants -- Joint replacement implants -- Specific requirements for hip-joint replacement implants

Committee : ISO/TC 150/SC 4 CEN (ISO lead)

Close of voting: 2007-08-14

ISO/FDIS 21536

Non-active surgical implants -- Joint replacement implants -- Specific requirements for knee-joint replacement implants

Committee : ISO/TC 150/SC 4 CEN (ISO lead)

Close of voting: 2007-08-14

ISO/DIS 10133

Small craft -- Electrical systems -- Extra-low-voltage d.c. installations

Committee : ISO/TC 188 CEN (ISO lead)

Close of voting: 2007-11-07

ISO/DIS 12637-2

Graphic technology -- Vocabulary -- Part 2: Prepress terms

Committee : ISO/TC 130

Close of voting: 2007-11-08

ISO DIS/FDIS BALLOTING (OPEN BALLOTS) 2007-06-13

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

ISO/FDIS 20712-2

Water safety signs and beach safety flags -- Part 2: Specifications for beach safety flags -- Colour, shape, meaning and performance

Committee : ISO/TC 145/SC 2

Close of voting: 2007-08-13

ISO/FDIS 22662

Milk and milk products -- Determination of lactose content by high-performance liquid chromatography (Reference method)

Committee : ISO/TC 34/SC 5

Close of voting: 2007-08-14

ISO 1856:2000/FDAmD 1

Flexible cellular polymeric materials -- Determination of compression set -- Amendment 1

Committee : ISO/TC 45/SC 4 CEN (ISO lead)

Close of voting: 2007-08-14

ISO/FDIS 22716

Cosmetics -- Good Manufacturing Practices (GMP) -- Guidelines on Good Manufacturing Practices

Committee : ISO/TC 217 CEN (ISO lead)

Close of voting: 2007-08-14

ISO/DIS 9644

Agricultural irrigation equipment -- Pressure losses in irrigation valves -- Test method

Committee : ISO/TC 23/SC 18

Close of voting: 2007-11-12

ISO/DIS 13457

Agricultural irrigation equipment -- Water-driven chemical injector pumps

Committee : ISO/TC 23/SC 18

Close of voting: 2007-11-12

ISO/DIS 26304

Welding consumables -- Solid wire electrodes, tubular cored electrodes and electrode-flux combinations for submerged arc welding of high strength steels -- Classification

Committee : ISO/TC 44/SC 3

Close of voting: 2007-11-12

ISO/DIS 2080

Metallic and other inorganic coatings -- Surface treatment, metallic and other inorganic coatings -- Vocabulary

Committee : ISO/TC 107

Close of voting: 2007-11-12

ISO/DIS 29042-1

Safety of machinery -- Evaluation of the emission of airborne hazardous substances -- Part 1: Selection of test methods
Committee : ISO/TC 199
Close of voting: 2007-11-12

ISO/DIS 29042-3

Safety of machinery -- Evaluation of the emission of airborne hazardous substances -- Part 3: Test bench method for the measurement of the emission rate of a given pollutant
Committee : ISO/TC 199
Close of voting: 2007-11-12

ISO/DIS 29042-2

Safety of machinery -- Evaluation of the emission of airborne hazardous substances -- Part 2: Tracer gas method for the measurement of the emission rate of a given pollutant
Committee : ISO/TC 199
Close of voting: 2007-11-12

ISO/DIS 29042-4

Safety of machinery -- Evaluation of the emission of airborne hazardous substances -- Part 4: Tracer method for the measurement of the capture efficiency of an exhaust system
Committee : ISO/TC 199
Close of voting: 2007-11-12

ISO/DIS 4521

Metallic coatings -- Electrodeposited silver and silver alloy coatings for engineering purposes -- Specification and test methods
Committee : ISO/TC 107/SC 3 CEN (ISO lead)
Close of voting: 2007-11-14

ISO/DIS 20492-1

Glass in buildings - Insulating glass -- Part 1: Durability of edge seals by climate tests
Committee : ISO/TC 160/SC 1
Close of voting: 2007-11-15

ISO/DIS 20492-2

Glass in buildings - Insulating glass -- Part 2: Chemical fogging tests
Committee : ISO/TC 160/SC 1
Close of voting: 2007-11-15

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ECE REGULATIONS**22/07 2007-06-05**

ECE Reg	Document Designation	Date	Vehicle Category	Title
123	E/ECE/324/Rev.2/Add.122	2007-03-06		Uniform Provisions Concerning the approval of Adaptive Front-Lighting systems (AFS) for motor vehicles.
60	E/ECE/324/Rev.1/Add.59/Amend.3	2006-11-14		Uniform Provisions Concerning the approval of two-wheeled motor cycles and mopeds with regard to driver-operated controls including the identification of controls,tell-tales and indicators.

ECE REGULATIONS**23/07 2007-06-13**

ECE Reg	Document Designation	Date	Vehicle Category	Title
124	E/ECE/324/Rev.2/Add.123	2007-03-22		Uniform Provisions Concerning the approval of wheels for passenger cars and their trailers.
3	E/ECE/324/Add.2/Rev.3/Amend.1	2007-04-05		Uniform Provisions Concerning the approval of retroreflecting devices for power-driven vehicles and their trailers.

EC DIRECTIVES AND REGULATIONS**22/07 2007-06-05**

Document Designation	Date of Directive	OJ Number	Date of Journal	Title
74/483/EEC	2007-03-14	L 75/21	2007-03-15	Commission Directive 2007/15/EC of 14 March 2007 amending, for the purposes of its adaptation to technical progress, Annex 1 to Council Directive 74/483/EEC relating to the external projections of motor vehicles.
Reg. No.123	2007-03-09	L 70/355	2006-12-27	Regulation No 123 of the Economic Commissions for Europe of the United Nations (UN/ECE)- Uniform Provisions Concerning the approval of adaptive front-lighting systems (AFS) for motor vehicles.

EC DIRECTIVES AND REGULATIONS**23/07 2007-06-13**

Document Designation	Date of Directive	OJ Number	Date of Journal	Title
2006/124/EC	2006-12-27	L 70/413	2007-03-09	Corrigendum to Regulation No 124 of the Economic Commission for Europe of the United Nations (UN/ECE) - Uniform provisions concerning the approval of wheels for passenger cars and their trailers.

PROPOSED FOREIGN GOVERNMENT REGULATIONS

WORLD TRADE ORGANIZATION NOTIFICATIONS

CALL FOR COMMENT

Information about proposed foreign government regulations and certification requirements that could affect South African exports is provided to the WTO Secretariat in Geneva by governments of countries that are signatories to the WTO Agreement on Technical Barriers to Trade. South Africa is a signatory to the WTO Agreement on Technical Barriers to Trade (TBT) and the Standards Information Centre has been appointed as the national WTO Enquiry Point.

The SABS, in cooperation with DTI, publishes these notifications in the *Standards South Africa Official Information* to inform SA parties interested in proposed and published foreign regulations that may affect them. It also provides an opportunity for review and comment on the proposals.

To obtain additional information or copies of the full text of these regulations, or express concerns that any regulation may unjustifiably impede exports, you may contact the:

**Standards Information Centre
Standards South Africa
Private Bag X191
PRETORIA
0001**

Telephone: +27 12 428-6666

Telefax: +27 12 428-6928

E-mail: info@sabs.co.za

G/TBT/N/JPN/209	Notification – Japan – Prepared frozen foods	31/05/2007
G/TBT/N/BRA/242/Corr.1	Notification – Brazil – Tomato extract and tomato sauce – Corrigendum	30/05/2007
G/TBT/N/BRA/245	Notification – Brazil – Methodology for determination of drained weight	30/05/2007
G/TBT/N/ROU/26	Notification – Romania – Wheat flour	30/05/2007
G/TBT/N/ROU/27	Notification – Romania – Bread and pastry products	30/05/2007
G/TBT/N/ROU/28	Notification – Romania – Clothes	30/05/2007
G/TBT/N/SVN/54	Notification – Slovenia – Meat of slaughtered animals and game	30/05/2007
G/TBT/N/USA/275	Notification – United States – Volatile organic compound (VOC) emissions	30/05/2007
G/TBT/N/JPN/200	Notification – Japan – Motor vehicles, motorcycles, and exhaust mufflers	29/05/2007
G/TBT/N/JPN/201	Notification – Japan – Motor vehicles	29/05/2007
G/TBT/N/JPN/202	Notification – Japan – Electric shredders and electric room heaters	29/05/2007
G/TBT/N/JPN/203	Notification – Japan – Containers/Packages for Retort Pouch Foods	29/05/2007
G/TBT/N/JPN/204	Notification – Japan – Apparatus and containers/packages for foods made of polylactic acid resins	29/05/2007
G/TBT/N/JPN/205	Notification – Japan – 1,3-Butadiene, Formaldehyde, Diethyl sulfate and their containing preparations, etc.	29/05/2007
G/TBT/N/JPN/206	Notification – Japan – Containers and packages for normal milk and other certain milk products	29/05/2007
G/TBT/N/JPN/207	Notification – Japan – Genetically modified foods : high lysine corn and processed foods containing it as the main ingredient	29/05/2007
G/TBT/N/JPN/208	Notification – Japan – Processed foods (green tea beverage and fried peanut)	29/05/2007
G/TBT/N/KOR/139	Notification – Republic of Korea – Agricultural products : genetically modified organisms	29/05/2007
G/TBT/N/USA/256/Add.1	Notification – United States – Pesticides – Plant-incorporated-protectants – Addendum	29/05/2007
G/TBT/N/USA/274	Notification – United States – Leather and imitation leather products	29/05/2007

G/TBT/N/ARE/10	Notification – United Arab Emirates – Loose dates	25/05/2007
G/TBT/N/EEC/155	Notification – European Communities – Pesticides – Trifluralin	25/05/2007
G/TBT/N/ISR/175	Notification – Israel – Primary batteries	25/05/2007
G/TBT/N/ISR/176	Notification – Israel – Rectifiers, Converters, Stabilized power supply	25/05/2007
G/TBT/N/ISR/177	Notification – Israel – Electrical accessories	25/05/2007
G/TBT/N/ISR/178	Notification – Israel – Electrical accessories	25/05/2007
G/TBT/N/KOR/137	Notification – Republic of Korea – Lifts (Elevators; Escalators)	25/05/2007
G/TBT/N/KOR/138	Notification – Republic of Korea – Electrical/Electronic Products, Automobiles	25/05/2007
G/TBT/N/ARG/38/Add.3	Notification – Argentina – Safety auto parts and/or fittings – Addendum	24/05/2007
G/TBT/N/ARG/216	Notification – Argentina – Spices – Origanum vulgare L. and the different varieties and hybrids thereof	24/05/2007
G/TBT/N/ARG/217	Notification – Argentina – Beverages whether or not containing alcohol	24/05/2007
G/TBT/N/CHN/263	Notification – The People's Republic of China – Cotton baling, bagging materials and tying materials	24/05/2007
G/TBT/N/COL/20/Add.6	Notification – Colombia – Electrical equipment and installations – Addendum	24/05/2007
G/TBT/N/EEC/154	Notification – European Communities – Pesticides – Benfuracarb	24/05/2007
G/TBT/N/GRD/11	Notification – Grenada – Portland cement	24/05/2007
G/TBT/N/GRD/12	Notification – Grenada – Hollow concrete blocks	24/05/2007
G/TBT/N/GRD/13	Notification – Grenada – Hotels, apartments, guesthouses and villas	24/05/2007
G/TBT/N/NLD/75	Notification – The Netherlands – Clothing	24/05/2007
G/TBT/N/PAN/37	Notification – Republic of Panama – Poultry meat	24/05/2007
G/TBT/N/TPKM/49	Notification – The Separate Customs Territory of Taiwan, Penghu, Kinmen and Matsu – Consumer chemical products	24/05/2007
G/TBT/N/USA/271	Notification – United States – National Organic Program	24/05/2007
G/TBT/N/USA/272	Notification – United States – Personal protective equipment	24/05/2007
G/TBT/N/USA/273	Notification – United States – Non-road spark-ignition engines and equipment	24/05/2007
G/TBT/N/ARE/6	Notification – United Arab Emirates – Motor Vehicles	22/05/2007
G/TBT/N/ARE/7	Notification – United Arab Emirates – Motor Vehicles	22/05/2007
G/TBT/N/ECU/30	Notification – Ecuador – Alcoholic beverages	22/05/2007
G/TBT/N/ARE/8	Notification – United Arab Emirates – Components of the natural gas fuel stations	21/05/2007
G/TBT/N/ARE/9	Notification – United Arab Emirates – Motor Vehicles	21/05/2007
G/TBT/N/ECU/21	Notification – Ecuador – Coated corrugated steel culverts and structural plates	21/05/2007
G/TBT/N/ECU/22	Notification – Ecuador – Road markings	21/05/2007
G/TBT/N/ECU/23	Notification – Ecuador – Road signs	21/05/2007
G/TBT/N/ECU/24	Notification – Ecuador – Steel panels	21/05/2007
G/TBT/N/ECU/25	Notification – Ecuador – Steel pipes and tubes	21/05/2007
G/TBT/N/ECU/26	Notification – Ecuador – Fuels	21/05/2007
G/TBT/N/ECU/27	Notification – Ecuador – steel corrugated angles, shapes and sections and posts for guardrails	21/05/2007
G/TBT/N/ECU/28	Notification – Ecuador – Plastic tubes and accessories	21/05/2007
G/TBT/N/ECU/29	Notification – Ecuador – Brake fluid	21/05/2007
G/TBT/N/COL/64/Add.1	Notification – Colombia – Tuna – Addendum	16/05/2007
G/TBT/N/EEC/152	Notification – European Communities – Accreditation and market surveillance relating to the marketing of products	16/05/2007
G/TBT/N/EEC/153	Notification – European Communities – Toothpastes	16/05/2007
G/TBT/N/JPN/199	Notification – Japan – Poisonous or deleterious substance: Dodecylguanidinium acetate, O-ethyl S-propyl [(2E)-2-(cyanoimino)-3-ethylimidazolidin-1-yl] phosphonot[...]/e, 3- (Aminomethyl)benzylamine	16/05/2007
G/TBT/N/KOR/105/Add.1	Notification – Republic of Korea – Electrical/Electronic Products, Automobiles – Addendum	16/05/2007
G/TBT/N/SGP/3	Notification – Singapore – Levels of energy efficiency of appliances	16/05/2007
G/TBT/N/USA/269	Notification – United States – Rotorcraft turbine engines	16/05/2007
G/TBT/N/USA/270	Notification – United States – Automobiles	16/05/2007

G/TBT/N/ARG/38/Add.2	Notification – Argentina – Safety auto parts and/or fittings – Addendum	10/05/2007
G/TBT/N/ARG/215	Notification – Argentina – Propolis	10/05/2007
G/TBT/N/CHE/83	Notification – Switzerland – Toys	10/05/2007
G/TBT/N/CHL/60	Notification – Chile – Bioethanol and biodiesel	10/05/2007
G/TBT/N/COL/86/Add.1	Notification – Colombia – Labelling requirements for made-up articles – Addendum	10/05/2007
G/TBT/N/COL/94	Notification – Colombia – Fish, molluscs, crustaceans and aquaculture products for human consumption	10/05/2007
G/TBT/N/JOR/3/Add.1	Notification – Hashemite Kingdom of Jordan – Ceramic Tiles – Addendum	10/05/2007
G/TBT/N/MYS/8	Notification – Malaysia – Veterinary medicinal products	10/05/2007
G/TBT/N/THA/230	Notification – Thailand – Radiocommunication equipment	10/05/2007
G/TBT/N/THA/231	Notification – Thailand – Radiocommunication equipment	10/05/2007
G/TBT/N/THA/232	Notification – Thailand – Radiocommunication equipment	10/05/2007
G/TBT/N/TPKM/48	Notification – The Separate Customs Territory of Taiwan, Penghu, Kinmen and Matsu – Packaged food	10/05/2007
G/TBT/N/USA/268	Notification – United States – New marine compression-ignition engine emissions	10/05/2007
G/TBT/N/BRA/227/Add.1	Notification – Brazil – Dinamized drugs (homeopathic, anthroposophic and antihomotoxic drugs) – Addendum	07/05/2007
G/TBT/N/BRA/243	Notification – Brazil – Tobacco and manufactured tobacco substitutes	07/05/2007
G/TBT/N/BRA/244	Notification – Brazil – Tomatoes	07/05/2007
G/TBT/N/CHN/253	Notification – The People's Republic of China – Vehicles	07/05/2007
G/TBT/N/CHN/254	Notification – The People's Republic of China – Motorcycles and mopeds	07/05/2007
G/TBT/N/CHN/255	Notification – The People's Republic of China – Gasoline engines	07/05/2007
G/TBT/N/CHN/256	Notification – The People's Republic of China – Motor vehicle lamps	07/05/2007
G/TBT/N/CHN/257	Notification – The People's Republic of China – Motor vehicle lamps	07/05/2007
G/TBT/N/CHN/258	Notification – The People's Republic of China – Motor vehicle lamps	07/05/2007
G/TBT/N/CHN/259	Notification – The People's Republic of China – Motor vehicle lamps	07/05/2007
G/TBT/N/CHN/260	Notification – The People's Republic of China – Headlamp cleaner for vehicles	07/05/2007
G/TBT/N/CHN/261	Notification – The People's Republic of China – Motor vehicle Lamps	07/05/2007
G/TBT/N/CHN/262	Notification – The People's Republic of China – Buses	07/05/2007
G/TBT/N/TTO/11/Add.1	Notification – Trinidad and Tobago – Portland cement – Addendum	07/05/2007
G/TBT/N/EEC/151	Notification – European Communities – Dangerous chemical substances	04/05/2007
G/TBT/N/KEN/14/Add.2	Notification – Kenya – All Used Products; Food and Agricultural Products; Chemical Products; Textiles and Textile Products; Footwear; Toys; Electrical & Electrical[...]/Mechanical Products – Addendum	04/05/2007
G/TBT/N/ARG/145/Add.1	Notification – Argentina – Medicinal preparations for human use – Addendum	03/05/2007
G/TBT/N/ARG/214	Notification – Argentina – In vivo diagnostic products	03/05/2007
G/TBT/N/USA/248/Add.1	Notification – United States – Hardwood plywood, particle board, and medium density fibreboard panel – Addendum	03/05/2007
G/TBT/N/USA/266	Notification – United States – All-terrain vehicles emissions	03/05/2007
G/TBT/N/USA/267	Notification – United States – Airplane ice protection systems	03/05/2007
G/TBT/N/ALB/21	Notification – Republic of Albania – Pressure equipment	01/05/2007
G/TBT/N/CAN/111/Add.4	Notification – Canada – Telecommunications Equipment – Addendum	01/05/2007
G/TBT/N/FRA/64	Notification – France – Agricultural or forestry tractors	01/05/2007
G/TBT/N/ISR/174	Notification – Israel – Sugar and sugar products	01/05/2007
G/TBT/N/USA/250/Add.1	Notification – United States – Solid waste – Addendum	01/05/2007
G/TBT/N/USA/265	Notification – United States – Automobiles and light-duty trucks	01/05/2007