

No. 560

22 May 2009

STANDARDS ACT, 1993 STANDARDS MATTERS

In terms of the Standards Act, 1993 (Act No. 29 of 1993), the Council of the South African Bureau of Standards has acted in regard to standards in the manner set out in the Schedules to this notice.

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 are now published by Standards South Africa (a division of SABS) with the prefix "SANS".

A list of all existing South African national standards was published by Government Notice No. 1373 of 8 November 2002.

In the list of SANS standards below, the equivalent SABS numbers, where applicable, are given below the new SANS numbers for the sake of convenience. Standards that were published with the "SABS" prefix are listed as such.

SCHEDULE 1: ISSUE OF NEW STANDARDS

The standards mentioned have been issued in terms of section 16(3) of the Act.

Standard No. and year	Title, scope and purport
SANS 881:2009	<i>Hard coal – Determination of caking power – Roga test.</i> Specifies a method of determining the caking power of hard coal by the Roga test.
SANS 4217:2009/ ISO 4217:2008	<i>Codes for the representation of currencies and funds.</i> Specifies the structure for a three-letter alphabetic code and an equivalent three-digit numeric code for the representation of currencies and funds. For those currencies with minor units, it also shows the decimal relationship between such units and the currency itself. Establishes procedures for a maintenance agency, and specifies the method of application for codes. Is intended for use in any application of trade, commerce and banking, where currencies and, where appropriate, funds are required to be described. Is designed to be equally suitable for manual users and for those who employ automated systems.
SANS 7811-9:2009/ ISO/IEC 7811-9:2008	<i>Identification cards – Recording technique – Part 2: Tactile identifier mark.</i> Specifies the physical characteristics of a tactile identifier mark used by visually-impaired card holders to distinguish their cards. Defines the area on the card for the tactile identifier mark (TIM) and the layout of Braille style embossed dots arranged in patterns to enable easy tactile recognition.
SANS 10815-1:2009/ ISO 815-1:2008	<i>Rubber, vulcanized or thermoplastic – Determination of compression set – Part 1: At ambient or elevated temperatures.</i> Specifies methods for the determination of compression set at characteristics of vulcanized and thermoplastic rubbers at ambient or elevated temperatures.
SANS 10815-2:2009/ ISO 815-2:2008	<i>Rubber, vulcanized or thermoplastic – Determination of compression set – Part 2: At low temperatures.</i> Specifies a method for the determination of the compression set characteristics of vulcanized and thermoplastic rubbers at low temperatures.
SANS 19795-3:2009/ IEC TR 19795-3:2007	<i>Information technology – Biometric performance testing and reporting – Part 3: Modality – Specific testing.</i> Describes the methodologies relating to modality-dependent variations. It presents and defines methods for determining, given a specific biometric modality, how to develop a technical performance test.
SANS 19795-4:2009/ IIS/IEC 19795-4:2008	<i>Information technology – Biometric performance testing and reporting – Part 4: Interoperability performance testing.</i> Prescribes methods for technology and scenario evaluations of multi-supplier biometric systems that use biometric data conforming to biometric data interchange format standards.
SANS 24714-1:2009/ ISO/IEC TR 24714-1:2008	<i>Information technology – Biometrics – Jurisdictional and societal considerations for commercial applications – Part 1: General guidance.</i> Gives guidelines for the stages in the life cycle of a system's biometric and associated elements. Covers the capture and design of initial requirements, legal frameworks, development and deployment, operations enrolment and subsequent usage, interrelationships with other systems, related data storage and security, updates and maintenance of data, training and awareness system evaluation, system audit and controlled system expiration. Areas addressed are limited to the design and implementation of biometric technologies with respect to legal and societal constraints on the use of biometric data, accessibility of the widest population, health and safety regarding direct potential hazards as well as possibility of the misuse of inferred data from biometric information.
SANS 24720:2009/ IEC TR 24720:2008	<i>Information technology – Automatic identification and data capture techniques – Guidelines for direct part marking (DPM).</i> Describes marking methods, marking surface preparation, marking location, protective coatings and other parameters that contribute to the production of quality symbols, but does not specify the information to be encoded.
SANS 24729-1:2009/ ISO/IEC TR 24729-1:2008	<i>Information technology – Radio frequency identification for item management – Implementation guidelines – Part 1: RFID-enabled labels and packaging supporting ISO/IEC 18000-6C.</i> Provides guidance on the use of radio frequency identification (RFID) enabled labels and packaging in the supply chain. Guidance is provided for transponder selection, as well as the selection of media, adhesives, facestocks, and inks. Techniques are described to minimize electrostatic discharge and transponder damage.
SANS 24741:2009/ ISO/IEC TR 24741:2007	<i>Information technology – Biometrics tutorial.</i> Describes the main biometric technologies, with some historical information. An annex describes the work of creating International Standards for biometrics and provides a layered model for the placement of the various International Standards being produced, with a short description of each. A second annex contains some of the terms and definitions currently used in these International Standards or the drafts of these International Standards.

Standard No. and year	Title, scope and purport
SANS 50025-6:2009/ EN 10025-6:2004	<i>Hot rolled products of structural steels – Part 6: Technical delivery conditions for flat products of high yield strength structural steels in the quenched and tempered condition.</i> Specifies requirements for flat products of high yield strength alloy special steels. The grades and qualities are given in chemical composition tables and mechanical properties tables and are supplied in the quenched and tempered condition.
SANS 51395-2:2009/ EN 1395-2:2007	<i>Thermal spraying – Acceptance inspection of thermal spraying equipment – Part 2: Flame spraying including HVOF.</i> Specifies requirements for the acceptance inspection of thermal spraying equipment in the case of flame spraying including HVOF (high velocity oxygen-fuel), used in spray jobs to produce thermally sprayed coatings of reproducible quality. Should be used in conjunction with SANS 51395-1.
SANS 51395-3:2009/ EN 1395-3:2007	<i>Thermal spraying – Acceptance inspection of thermal spraying equipment – Part 3: Arc spraying.</i> Specifies requirements for the acceptance inspection of thermal spraying equipment, in this case arc spraying, used to produce thermally sprayed coatings of reproducible quality. Should be used in conjunction with SANS 51395-1.
SANS 51395-4:2009/ EN 1395-4:2007	<i>Thermal spraying – Acceptance inspection of thermal spraying equipment – Part 4: Plasma spraying.</i> Specifies requirements for the acceptance inspection of thermal spraying equipment, in this case plasma spraying, used in spray jobs to produce thermally sprayed coatings of reproducible quality. Should be used in conjunction with SANS 51395-1.
SANS 51395-5:2009/ EN 1395-5:2007	<i>Thermal spraying – Acceptance inspection of thermal spraying equipment – Part 5: Plasma spraying in chambers.</i> Specifies requirements for the acceptance inspection of thermal spraying equipment, in this case the pressurized part only for low pressure and controlled atmosphere plasma spraying, used in spray jobs to produce thermally sprayed coatings of reproducible quality. Should be used in conjunction with SANS 51395-1.
SANS 51395-6:2009/ EN 1395-6:2007	<i>Thermal spraying – Acceptance inspection of thermal spraying equipment – Part 6: Manipulator systems.</i> Specifies requirements for the acceptance inspection of thermal spraying equipment in this case manipulator systems used in spray jobs to produce thermally sprayed coatings of reproducible quality. Should be used in conjunction with SANS 51395-1.
SANS 51395-7:2009/ EN 1395-7:2007	<i>Thermal spraying – Acceptance inspection of thermal spraying equipment – Part 7: Powder feed systems.</i> Specifies requirements for the acceptance inspection of thermal spraying equipment in the case of powder feed units used in spray jobs to produce thermally sprayed coatings of reproducible quality. Should be used in conjunction with SANS 51395-1, and also used in addition to SANS 51395-2 when carrying out acceptance inspection for flame and/or HVOF (high velocity oxygen-fuel) spraying equipment, or SANS 1395-4 when carrying out acceptance inspection for plasma spraying equipment.

SCHEDULE 2: AMENDMENT OF EXISTING STANDARDS

The standards mentioned have been amended in terms of section 16(3) of the Act. The number and date of a standard that has been superseded appear in brackets below the new number. In the case of an amendment issued in consolidated format, the edition number of the new (consolidated) edition appears in brackets below the number of the standard.

Standard No. and year	Title, scope and purport
SANS 54:2009/ ISO 188:2007	<i>Rubber, vulcanized or thermoplastic – Accelerated ageing and heat resistance tests.</i> Specifies two methods of accelerated ageing or heat resistance tests on vulcanized or thermoplastic rubbers.
SANS 61-1:2009/ ISO 10245-1:2008	<i>Cranes – Limiting and indicating devices – Part 1: General.</i> Specifies general requirements for limiting and indicating devices for cranes that are applicable to loads and motions, performance and the environment. These devices restrict operation or provide the operator or other persons (or both) with operational information.
SANS 199:2009 (SABS 199:1972)	<i>Shut-off valves for refillable liquefied petroleum gas cylinders.</i> Specifies requirements for design, specification and type testing of dedicated LPG cylinder valves specifically for use with transportable refillable LPG cylinders from 0,5 L up to 150 L water capacity. Includes references to associated equipment for vapour or liquid service. Does not apply to fixed automotive installations.
SANS 222:2009/ CISPR 22:2008	<i>Information technology equipment – Radio disturbance characteristics – Limits and methods of measurement.</i> Gives procedures for the measurement of the levels of spurious signals generated by the ITE and specifies limits for the frequency range 9 kHz to 400 GHz for both class A and class B equipment.
SANS 595:2009 (Ed. 5.1)	<i>Sterilized sodium chloride intravenous infusion. Consolidated edition incorporating amendment No. 1.</i> Amended to correct the formula for the calculation of the sodium chloride content in the product, and to update the subsequent numbering of the subclause (5.6.2).
SANS 629:2009 (Ed. 3.1)	<i>Softwood flooring boards. Consolidated edition incorporating amendment No. 1.</i> Covers the requirements for three grades (see 3.2) of softwood flooring boards obtained from timber derived from trees of the genera <i>Pinus</i> , <i>Cedrus</i> , <i>Podocarpus</i> , and <i>Cupressus</i> grown in Southern Africa.
SANS 777:2009 (Ed. 3.3)	<i>Overbed tables. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards.
SANS 780:2009 (SABS 780:2004)	<i>Distribution transformers.</i> Specifies requirements for single-phase and three-phase distribution transformers of the oil-immersed type.
SANS 1005:2009 (Ed. 2.5)	<i>Innerspring mattresses. Consolidated edition incorporating amendment No. 5.</i> Amended to change the designation from SABS standards to SANS standards, to update the definition of "acceptable", and to update referenced standards.

Standard No. and year	Title, scope and purport
SANS 1022:2009 (Ed. 2.1)	<i>Metal roofing tiles. Consolidated edition incorporating amendment No. 1.</i> Amended to update the scope to include stainless steel sheets, to change the requirements for carbon steel sheet coatings, to add material requirements for stainless steel sheets, and to add an annex on stainless steel (annex D).
SANS 1077:2009 (Ed. 1.2)	<i>Sealing compounds for the building and construction industry, two-component, polyurethane-base. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable", to update referenced standards, and to remove reference to the standardization mark.
SANS 1090:2009 (Ed. 2.2)	<i>Aggregates from natural sources – Fine aggregates for plaster and mortar. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 1132:2009/ ISO 132:2005	<i>Rubber, vulcanized or thermoplastic – Determination of flex cracking and crack growth (De Mattia).</i> Specifies a method of test intended for use in comparing the resistance of rubbers to the formation and growth of cracks, when subjected to repeated flexing on the De Mattia type machine.
SANS 1291-2:2009 (Ed. 2.1)	<i>Flexible polyurethane foam sleeping mats and mattresses – Part 2: Foam mattresses for domestic and hotel use. Consolidated edition incorporating amendment No. 1.</i> Amended to update the introductory paragraph to the normative references clause, to update referenced standards, to modify the definition of "objectionable", and to remove reference to a certification mark.
SANS 1321-1:2009 (Ed. 1.1)	<i>Non-metallic waste traps – Part 1: Plastics waste traps. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, and to update the definition of "acceptable".
SANS 1394-1:2009 (Ed. 2.3)	<i>Duvets and pillows – Part 1: Plumage filled. Consolidated edition incorporating amendment No. 2.</i> Amended to update a referenced standard.
SANS 1419:2009 (Ed. 2.2)	<i>Carpet underlays. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 1844:2009 (Ed. 1.2)	<i>The testing of polypropylene woven fabrics for use in flexible intermediate bulk containers (FIBCs) for non-dangerous goods. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 2001-CT2:2009 (Ed. 1.1)	<i>Construction works – Part CT2: Structural timberwork (roofing). Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 5236:2009 (SABS SM 236:1981)	<i>Bacteriostatic efficacy of water miscible liquids.</i> Describes a method to determine the bacteriostatic efficacy of water miscible liquids.
SANS 5730:2009 (SABS SM 730:1975)	<i>Antibacterial efficacy of solid and semi-solid antiseptics.</i> Describes a method to determine the antibacterial efficacy of solid and semi-solid antiseptics.
SANS 5924:2009 (SABS SM 924:1978)	<i>Moisture content of coal samples intended for general analysis (vacuum-oven method).</i> Specifies the vacuum-oven method for the determination of the moisture content of coal samples intended for general analysis.
SANS 5941:2009 (SABS SM 941:1980)	<i>Carbon dioxide content of coal (titrimetric method).</i> Specifies a volumetric method for the determination of the carbon dioxide content of coal.
SANS 6072:2009 (SABS SM 1072:1984)	<i>Coking properties of coal (Ruhr dilatometer test).</i> Specifies a method for the determination of the coking properties of coal by using the Ruhr dilatometer.
SANS 6164:2008 (Ed. 1.1)	<i>Determination of lead (inorganic and tetra-alkyl) in workplace air by atomic absorption spectrophotometry. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 10034-1:2009/ ISO 34-1:2004	<i>Rubber, vulcanized or thermoplastic – Determination of tear strength – Part 1: Trouser, angle and crescent test pieces.</i> Specifies three test methods for the determination of the tear strength of vulcanized and thermoplastic rubber, namely, method A, using a trouser test piece, method B, using an angle test piece, with or without a nick of specified depth, and method C, using a crescent test piece with a nick.
SANS 10034-2:2009/ ISO 34-2:2007	<i>Rubber, vulcanized or thermoplastic – Determination of tear strength – Part 2: Small (Delft) test pieces.</i> Specifies a method for the determination of the tear strength of small pieces (Delft test pieces) of vulcanized or thermoplastic rubber. Specifies a method for the determination of the tear strength of small pieces (Delft test pieces) of vulcanized or thermoplastic rubber.
SANS 10037:2009/ ISO 37:2005	<i>Rubber, vulcanized or thermoplastic – Determination of tensile stress-strain properties.</i> Describes a method for the determination of the tensile stress-strain properties of vulcanized and thermoplastic rubbers.
SANS 10048:2009/ ISO 48:2007	<i>Rubber, vulcanized or thermoplastic – Determination of hardness (hardness between 10 IRHD and 100 IRHD).</i> Specifies four methods for the determination of the hardness of vulcanized or thermoplastic rubbers on flat surfaces (standard-hardness methods) and four methods for the determination of the apparent hardness of curved surfaces (apparent-hardness methods).
SANS 11407:2009/ ISO 1407:1992	<i>Rubber – Determination of solvent extract.</i> Specifies two methods for the quantitative determination of extractable material from raw rubbers, both natural and synthetic, and their unvulcanized and vulcanized compounds.
SANS 60335-2-5:2009/ IEC 60335-2-5:2008 (Ed. 2.2)	<i>Household and similar electrical appliances – Safety – Part 2-5: Particular requirements for dishwashers. Consolidated edition incorporating amendment No. 2.</i> Amended to include electromagnetic phenomena that can affect the safe operation of appliances, to change the rated voltage, to include a cautionary statement with regard to challenged persons and children, to amend application instructions and to change construction requirements.

Standard No. and year	Title, scope and purport
SANS 60335-2-6:2008/ IEC 60335-2-6:2008 (Ed. 3.2)	<i>Household and similar electrical appliances – Safety – Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances. IEC technical corrigendum No. 1.</i> Corrected to do editorial changes in 21.102.
SANS 60335-2-10:2009/ IEC 60335-2-10:2008 (Ed. 2.2)	<i>Household and similar electrical appliances – Safety – Part 2-10: Particular requirements for floor treatment machines and wet scrubbing machines. Consolidated edition incorporating amendment No. 2.</i> Amended to replace a cautionary statement in the introduction that covers abnormal operational situations, to add a cautionary statement in the scope with regard to children and disabled persons, and to add a new reference to the bibliography.
SANS 60335-2-12:2009/ IEC 60335-2-12:2008 (Ed. 2.1)	<i>Household and similar electrical appliances – Safety – Part 2-12: Particular requirements for warming plates and similar appliances. Consolidated edition incorporating amendment No. 1.</i> Amended to include the effects of electromagnetic phenomena on appliances, to define the scope with regard to the specific application of appliances and the relevance of the standard to challenged persons and children, to provide an indication of the range of intended appliances, to apply the bibliography of SANS 60335-1 to this part of the standard, and to add a referenced standard.
SANS 60335-2-52:2009/ IEC 60335-2-52:2008 (Ed. 3.1)	<i>Household and similar electrical appliances – Safety – Part 2-52: Particular requirements for oral hygiene appliances. Consolidated edition incorporating amendment No. 1.</i> Amended the introduction in order to include the effect of electromagnetic phenomena on appliances, to define the scope with regard to challenged persons and children, to apply the bibliography of SANS 60335-1 to this part of the standard, and to add a referenced standard.
SANS 61000-4-6:2009/ IEC 61000-4-6:2008 (SABS IEC 61000-4-6:2006)	<i>Electromagnetic compatibility (EMC) – Part 4-6: Testing and measurement techniques – Immunity to conducted disturbances, induced by radio-frequency fields.</i> Relates to the conducted immunity requirements of electrical and electronic equipment to electromagnetic disturbances coming from intended radio-frequency (RF) transmitters in the frequency range 9 kHz up to 80 MHz.
SANS 61156-3:2009/ IEC 61156-3:2008	<i>Multicore and symmetrical pair/quad cables for digital communications – Part 3: Work area cable – Sectional specification.</i> 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.
SANS 61643-12:2009/ IEC 61643-12:2008	<i>Low-voltage surge protective devices – Part 12: Surge protective devices connected to low-voltage power distribution systems – Selection and application principles.</i> Describes the principles for selection, operation, location and co-ordination of SPDs to be connected to 50 Hz to 60 Hz a.c. and to d.c. power circuits and equipment rated up to 1 000 V r.m.s. or 1 500 V d.c.
SANS 62271-109:2009/ IEC 62271-109:2008	<i>High-voltage switchgear and controlgear – Part 109: Alternating-current series capacitor by-pass switches.</i> Applies to a.c. series capacitor by-pass switches designed for outdoor installation and for operation at frequencies of 50 Hz and 60 Hz on systems having voltages above 52 kV. Is only applicable to by-pass switches for use in three-phase systems.

SCHEDULE 3: CANCELLATION OF STANDARDS

In terms of section 16(3) of the Act the following standards have been cancelled.

Standard No. and year	Title
SANS 1159:2003	<i>The production of pre-cooked frozen foods containing protein.</i>
SANS 1549:1993	<i>Raised access flooring.</i>
SANS 50994:2003	<i>Textile floor coverings – determination of the side length, squareness and straightness of tiles.</i>
SANS 60815:1986	<i>Guide for the selection of insulators in respect of polluted conditions.</i>

SCHEDULE 4: ADDRESSES OF SABS OFFICES

The addresses of offices of the South African Bureau of Standards where copies of standards mentioned in this notice can be obtained, are as follows:

1. The CEO, South African Bureau of Standards, 1 Dr Lategan Road, Groenkloof, Private Bag X191, Pretoria 0001.
2. The Manager, Western Cape Regional Office, SABS, Liesbeck Park Way, Rosebank, PO Box 615, Rondebosch 7701.
3. The Manager, Eastern Cape Regional Office, SABS, 30 Kipling Road, cor. Diaz and Kipling Roads, Port Elizabeth, PO Box 3013, North End 6056.
4. The Manager, KwaZulu-Natal Regional Office, SABS, 15 Garth Road, Waterval Park, Durban, PO Box 30087, Mayville 4058.
5. The Control Officer, Bloemfontein Branch Office, SABS, 34 Victoria Road, Willows, Bloemfontein, PO Box 20265, Willows 9320.