

GOVERNMENT NOTICES

GOEWERMENTSKENNISGEWINGS

DEPARTMENT OF TRADE AND INDUSTRY

DEPARTEMENT VAN HANDEL EN NYWERHEID

No. 766

5 August 2005

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 344:2005	<i>Dynamic measuring devices and systems for cryogenic liquids. Prescribes the metrological and technical requirements and test procedures for measuring devices and systems used for the dynamic measurement of cryogenic liquids. It also establishes the conditions that measuring devices and systems have to meet in order to comply with the requirements of legal metrology services.</i>
SANS 1926:2005	<i>Uniform provisions concerning the approval for the production of retreaded pneumatic tyres for motor vehicles and their trailers. Specifies requirements for the production of retreaded tyres intended to be fitted on motor vehicles and their trailers used on the road.</i>
SANS 3000-1:2005/ RSR 001:2005	<i>Railway safety management – Part 1: General. Specifies the safety requirements that should be considered for inclusion in the Safety Management System (SMS), Safety Management System report (SMS report) and the assessment of performance of an operator who wishes to demonstrate his ability to optimally manage railway safety.</i>
SANS 3166-3:2005/ ISO 3166-3:1999	<i>Codes for the representation of names of countries and their subdivisions – Part 3: Code for formerly used names of countries. Provides principles and maintenance arrangements of a code for the representation of country names removed from editions 1 to 4 of ISO 3166 and the consecutive edition of ISO 3166-1.</i>
SANS 5764:2005/ ISO 5764:2002	<i>Milk – Determination of freezing point – Thermistor cryoscope method (Reference method). Specifies a reference method for the determination of the freezing point of raw, pasteurized, UHT-treated or sterilized whole milk, partially skimmed milk and skimmed milk by using a thermistor cryoscope. The freezing point can be used for estimating the proportion of extraneous water in milk. Calculation of the amount of extraneous water is complicated by daily variation, seasonal variation, etc. and is not within the scope of this standard.</i>
SANS 7816-9:2005/ ISO/IEC 7816-9:2004	<i>Identification cards – Integrated circuit cards – Part 9: Commands for card management. States inter-industry commands for integrated circuit cards (both with contacts and without contacts) for card and file management, for example file creation and deletion.</i>
SANS 7816-11:2005/ ISO/IEC 7816-11:2004	<i>Identification cards – Integrated circuit cards – Part 11: Personal verification through biometric methods. Explains the usage of inter-industry commands and data objects related to personal verification through biometric methods in integrated circuit cards. Also presents examples for enrolment and verification and addresses security issues.</i>
SANS 7816-15:2005/ ISO/IEC 7816-15:2004	<i>Identification cards – Integrated circuit cards – Part 15: Cryptographic information application. Describes a card application which contains information on cryptographic functionality. Also defines a common syntax (in ASN.1) and format for the cryptographic information and mechanisms to share this information whenever appropriate.</i>
SANS 9622:2005/ ISO 9622:1999	<i>Whole milk – Determination of milkfat, protein and lactose content – Guidance on the operation of mid-infrared instruments. Describes the operating conditions for instruments used for the determination of fat, protein and lactose content of ex-farm milk, based upon the measurement of the absorption of mid-infrared radiation at wavelengths which are representative of each component analysed.</i>
SANS 10385-1:2005	<i>Requirements for the implementation of an identity preservation system (IP system) – Part 1: IP system for the production, storage, handling and transportation of non-genetically modified unprocessed agricultural products. Specifies the requirements for an identity preservation system for the production of non-genetically modified unprocessed agricultural products, including grains, fruit and vegetables. The system is based on segregated handling and production techniques, and the substantiation thereof by means of documented evidence.</i>
SANS 20087:2005/ ECE E87:2003	<i>Uniform provisions concerning the approval of daytime running lamps for power-driven vehicles. Applies to lamps intended to increase conspicuity of a vehicle in daylight.</i>

Standard No. and year	Title, scope and purport
SANS 60479-4:2005/ IEC TR 60479-2004	<i>Effects of current on human beings and livestock – Part 4: Effects of lightning strokes on human beings and livestock.</i> Summarizes the basic parameters for lightning and their variability insofar as they apply to human beings and livestock. It indicates the possible direct and indirect interactions of strikes with bodies of living beings and describes the resulting effects caused by lightning currents. It is intended to show the differences between effects on human beings and livestock due to lightning strokes and those effects of electric shocks derived from electrical systems.
SANS 61010-2-081:2005/ IEC 61010-2-081:2001	<i>Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-081: Particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes.</i> Applies to automatic and semi-automatic laboratory equipment for analysis and other purposes.
SANS 62051-1:2005/ IEC TR 62051-1:2004	<i>Electricity metering – Data exchange for meter reading, tariff and load control – Glossary of terms – Part 1: Terms related to data exchange with metering equipment using DLMS/COSEM.</i> Reflects terms related to data exchange with metering equipment for meter reading and tariff and load control.

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 622:2005	<i>Gypsum cove cornice. Consolidated edition incorporating amendment No. 2.</i> Amended to change the definitions of
SANS 657-1:2005 (Ed. 3.1)	<i>Steel tubes for non-pressure purposes – Part 1: Sections for scaffolding, general engineering and structural applications. Consolidated edition incorporating amendment No. 1.</i> Amended to change a marking requirement and to draw attention to this in the foreword
SANS 657-3:2005 (SABS 657-31980)	<i>Steel tubes for non-pressure purposes – Part 3: Steel tubes for rolls for conveyor belt idlers.</i> Covers welded steel tubes intended for use in the manufacture of steel rolls for conveyor belt idlers. Requirements are laid down for material and physical properties, dimensions, straightness, ovality, scarfing and freedom from defects, also includes the marking of tubes.
SANS 940:2005 (Ed. 2.1)	<i>Emulsion roof paint. Consolidated edition incorporating amendment No. 1.</i> Amended to delete the reference to SANS 685 and replace it with ISO 8336, to delete the reference to SANS 173 (SABS ISO 1512) and replace it with SANS 15528, and to update the reference to SANS 9001.
SANS 1198:2005 (SABS 1198:1978)	<i>The manufacture of rubber sheeting for rubber lining.</i> Covers the requirements for the manufacture of sheeting of soft and hard (ebonite) rubber for lining of pipes and pipe fittings of diameter at least 25 mm, and other metal or concrete equipment. It includes the requirements of linings for different types of rubber, grades, classes and special properties specified by line call-out.
SANS 1227:2005 (Ed. 1.4)	<i>Textured wall coatings, emulsion base, for interior and exterior use. Consolidated edition incorporating amendment No. 3.</i> Amended to delete the reference to SANS 685 and replace it with ISO 8336.
SANS 1386:2005 (Ed. 1.1)	<i>Wooden four-way perimeter base pallets. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition for "acceptable", and to update referenced standards.
SANS 1603-1:2005 (Ed. 1.1)	<i>Accessories for use in antenna installations – Part 1: Splitters. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the list of parts in the foreword, to change the definition of "acceptable", to correct references to figures and to replace "adaptor" with "connector" in the test for component radiation characteristics, to delete the table for a coaxial switch in figures 5, 6 and 9, to change the labelling in figures 6, 9, A.2 and A.3, and to insert a key to figures 6, 9, A.1, A.2 and A.3.
SANS 1632-2:2005 (Ed. 1.1)	<i>Batteries – Part 2: Vented-type stationary lead-acid cells and batteries. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update normative references and to update cross-references to normative references.
SANS 1698:2005 (Ed. 1.1)	<i>Verification standards for the verification of volume-measuring instruments, including commercial standards of volume. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 1829:2005 (SABS 1829:2000)	<i>Lubricants for use in the food industry. Specifies general requirements for lubricants intended for use in the food industry and the quality management system requirements for the manufacture of these lubricants to ensure that when there is contact between the lubricants and the food no harmful effects to human beings occur.</i>
SANS 1906:2005 (SANS 1906:2003)	<i>Non-pressure paraffin stoves and heaters.</i> Covers the manufacture and use of non-pressure paraffin stoves (commonly known as wick-based stoves). It also covers the manufacture of heaters. It does not cover the packaging or handling of the fuel.
SANS 2220-2-3:2005 (Ed. 1.1)	<i>Electrical security system – Part 2-3: Access control system: Card readers. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the normative references clause and to update referenced standards.

Standard No. and year	Title, scope and purport
SANS 2220-2-4:2005 (Ed. 1.1)	<i>Electrical security systems – Part 2-4: Access control systems: Reader controllers. Consolidated edition incorporating amendment No. 1. Amended to change the designation of SABS standards to SANS; and to update the normative references clause and referenced standards.</i>
SANS 2220-2-5:2005 (Ed. 1.1)	<i>Electrical security systems – Part 2-5: Access control systems: Biometric readers. Consolidated edition incorporating amendment No. 1. Amended to change the designation of SABS standards to SANS standards, and to update the introductory paragraph to the normative references clause and referenced standards.</i>
SANS 2220-2-6:2005 (Ed. 1.1)	<i>Electrical security systems – Part 2-6: Access control systems: Access cards. Consolidated edition incorporating amendment No. 1. Amended to change the designation of SABS standards to SANS standards, and to update the introductory paragraph in the normative references clause and referenced standards.</i>
SANS 2220-2-7:2005 (Ed. 1.2)	<i>Electrical security systems – Part 2-7: Access control systems: Barriers. Consolidated edition incorporating amendment No. 2. Amended to change the designation of SABS standards to SANS standards, and to update the introductory paragraph in the normative references clause and referenced standards.</i>
SANS 5412:2005 (SABS SM 412:1972)	<i>Degree of blocking of coated textile fabrics. Specifies a method for the determination of the degree of blocking of coated textile fabrics.</i>
SANS 5560:2005 (SABS SM 560:1975)	<i>Pigment volume concentration of paints with a non-aqueous solvent base. Specifies a method for the determination of the pigment volume concentration of paints with a non-aqueous solvent base. The values for relative density of the solvent, pigment content of the paint, relative density of the pigment, volatile matter content of the paint and non-volatile vehicle content of the paint that are used in the calculations, are obtained separately.</i>
SANS 7816-1:1998/ ISO/IEC 7816-1:1998	<i>Identification card & – Integrated circuit(s) cards with contacts – Part 1: Physical characteristics. ISO/IEC amendment No. 1. Amended to change tolerance of entire IC contact surface height to not be higher than 0,10 mm above or lower than 0,10 mm below the adjacent surface of the card. National amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.</i>
SANS 7816-2:1999/ ISO/IEC 7816-2:1999	<i>Identification cards – Integrated circuit cards – Part 2: Cards with contacts – Dimensions and location of the contacts. ISO/IEC amendment No. 1. Amended title to read "Information technology – Identification cards – Part 2: Cards with contacts – Dimensions and location of the contacts". Replaced table 1 to show assignment of contacts C4 and C8 to inputs AUX1 and AUX2 respectively. National amendment No. 1. Amended to change the designation from "SABS" to "SANS", with no technical changes.</i>
SANS 7816-3:1997/ ISO/IEC 7816-3:1997	<i>Information technology – Identification cards – Integrated circuit(s) cards with contacts – Part 3: Electronic signals and transmission protocols. ISO/IEC amendment No. 1. Amended to insert the term and a definition for "operating conditions", to change the clause on operating conditions, to change the figure on selection of the class by the interface device, to change the table on electrical characteristics of VCC under normal operating conditions, the table on spikes on ICs, the table on electrical characteristics of I/O under normal operating conditions, and the table on electrical characteristics of CLK under normal operating conditions, to change the characteristics of VPP, to change activation requirements, to change the subclause on class indicator U, and to change the table on class indicator U. National amendment No. 1. Amended to change the designation from "SABS" to "SANS", with no technical changes.</i>
SANS 7816-6:2005/ ISO/IEC 7816-6:2004 (SABS ISO/IEC 7816-6:1996)	<i>Identification cards – Integrated circuit cards – Part 6: Interindustry data elements for interchange. Provides the data elements (DEs) used for interindustry interchange based on integrated circuit cards (ICCs) both with contacts and without contacts. It gives the identifier, name, description, format, coding and layout of each DE and defines the means of retrieval of DEs from the card.</i>
SANS 7816-7:1999/ ISO/IEC 7816-7:1999	<i>Identification cards – Integrated circuit(s) cards with contacts – Part 7: Interindustry commands for Structured Card Query Language (SCQL). National amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.</i>
SANS 7816-8:2005/ ISO/IEC 7816-8:2004 (SABS ISO/IEC 7816-8:1999)	<i>Identification cards – Integrated circuit cards – Part 8: Commands for security operations. States interindustry commands for integrated circuit cards (either with contacts or without contact) that may be used for cryptographic operations.</i>
SANS 7816-10:1999/ ISO/IEC 7816-10:1999	<i>Identification cards – Integrated circuit(s) cards with contacts – Part 10: Electronic signals and answer to reset for synchronous card &. National amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.</i>
SANS 7816-15:2005/ ISO/IEC 7816-15:2004	<i>Identification cards – Integrated circuit cards – Part 15: Cryptographic information application. ISO/IEC technical corrigendum No. 1. Corrected to replace reference to the title with "Identification cards – Integrated circuit cards – Part 15: Cryptographic information application", and to change the subclause on CommonDataContainerObjectAttributes in the clause on basic ASN.1 defined types.</i>
SANS 9933:1995/ ISO 9933:1995	<i>Products in fibre-reinforced cement – Long corrugated or asymmetrical section sheets and fittings for roofing and cladding. ISO amendment No. 1. Amended to change various designations, to add new subclauses 5.4.3.6 and 5.4.4, to replace parts of the text in 5.5.1, 5.5.2.1, 5.5.4.3, 5.5.8.3, 5.5.9.5.1, 5.5.9.5.2.1, 5.5.9.5.2.2 and 5.5.9.5.2.3, to add figure 11 and a new subclause 5.5.9.6, to replace subclauses 7.1 and 7.2 and annex A and to add new references to annex C, the title being changed to read "Bibliography".</i>
SANS 10064:2005 (SABS 064:1979)	<i>The preparation of steel surfaces for coating. Contains detailed information on the methods available for cleaning and preparing steel in order to produce a surface suitable for the application of coatings. Galvanized surfaces are commonly encountered in practice, and methods of dealing with them have been included.</i>

Standard No. and year	Title, scope and purport
SANS 10279:2005 (Ed 1.1)	<i>The rebuilding of automotive gearboxes. Consolidated edition incorporating amendment No. 1. Amended to update the definition of "acceptable" and to change the designation of SABS standards to SANS standards.</i>
SANS 12944-1:1998/ ISO 12944-1:1998	<i>Paints and varnishes – Corrosion protection of steel structures by protective paint systems – Part 1: General introduction. National amendment No. 1. Amended to change the designation from SABS standards to SANS, with no technical changes.</i>
SANS 12944-7:1998/ ISO 12944-7:1998	<i>Paints and varnishes – Corrosion protection of steel structures by protective paint system – Part 7: Execution and supervision of paint work. National amendment No. 1. Amended to change the designation from SABS standards to SANS, with no technical changes.</i>
SANS 12944-8:1998/ ISO 12944-8:1998	<i>Paints and varnishes – Corrosion protection of steel structures by protective paint systems – Part 8: Development of specifications for new work and maintenance. National amendment No. 1. Amended to change the designation from SABS standards to SANS, with no technical changes.</i>
SANS 20087:2005/ ECER87:2003	<i>Uniform provisions concerning the approval of daytime running lamps for power driven vehicles. ECE amendment No. 1. Amended to change a definition, to add requirements for the application of approval, for marking, for a light source module, for the test procedure to determine the colour of light emitted, and to add a new figure 4 - Light source modules.</i>
SANS 60335-2-98:2005/ IEC 60335-2-98:2005 (Ed 2.1)	<i>Household and similar electrical appliances – Safety – Part 2-98: Particular requirements for humidifiers. Consolidated edition incorporating IEC amendment No. 1. Amended to indicate that the standard does not apply to appliances for heating liquids, to change a note concerning electrode-type appliances into a requirement and to delete a construction requirement.</i>
SANS 60730-2-9:2005/ IEC 60730-2-9:2004 (Ed 1.2)	<i>Automatic electrical controls for household and similar use – Part 2-9: Particular requirements for temperature sensing controls. Consolidated edition incorporating IEC amendment No. 2. Amended to add definitions, constructional requirements and an annex on controls for use in agricultural confinement buildings (Annex DDI).</i>
SANS 60793-2-50:2005 IEC 60793-2-50:2004 (SANS 60793-2-50:2002)	<i>Optical fibres – Part 2-50: Product specifications – Sectional specification for class B single-mode fibres. Applicable to optical fibre types B1.1, B1.2, B1.3, and categories B2 and B4. These fibres are used or can be incorporated in information transmission equipment and optical fibre cables.</i>
SANS 61010-2-081:2005/ IEC 61010-2-081:2001	<i>Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-081: Particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes. IEC amendment No. 1. Amended to delete annex BB and the replacement subclause 8.1.2, and to replace figure AA.1 by a new figure AA.1.</i>
SANS 62115:2005/ IEC 62115:2004 (Ed 1.1)	<i>Electric toys – Safety. Consolidated edition incorporating IEC amendment No. 1. Amended to add an annex on toys incorporating lasers and light-emitting diodes (annex E), to add "radiation" to the title of the clause on toxicity and similar hazards (clause 20), and to update nonnative references.</i>

Standard No. and year	Title
SANS 799:1983	<i>Safety helmets for motor cyclists</i>
SANS 1149:1977	<i>Flat and taper steel washers</i>
SANS 1282:1982	<i>High-strength bolts, nuts, and washers for friction-grip joints</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 President, South African Bureau of Standards, 1 Dr Lategan Road, Groenkloof, Private Bag X191, Pretoria 0001.
2. The Manager, Western Cape Regional Office, SABS, Liesbeek 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.