

No. 670

8 July 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.

Standard No. and year	Title, scope and purport
SANS 208:2005	<i>The design and installation of compressed natural gas (CNG) vehicle filling stations. Covers the design and installation of compressed natural gas (CNG) vehicle filling stations operating at pressures not exceeding 300 bar. It applies to filling stations (having fast-fill or slow-fill fuel dispensers or both) supplied with normally distributed natural gas.</i>
SANS 218-2:2005/ CISPR 18-2: 1986	<i>Radio interference characteristics of overhead power lines and high-voltage equipment – Part 2: Methods of measurement and procedure for determining limits. Applies to radio noise from overhead power lines and high-voltage equipment which may cause interference to radio reception, excluding the fields from power line carrier signals. The frequency range covered is 0,15 MHz to 300 MHz. The general procedure for establishing the limits of the radio noise field from the power lines and equipment is given, together with typical values as examples, and methods of measurement.</i>
SANS 315:2005/ ISO 1211:1999	<i>Milk – Determination of fat content – Gravimetric method (Reference method). Specifies the reference method for the determination of the fat content of milk. The method is applicable to raw and processed liquid milk, partly skimmed milk and skimmed milk in which no appreciable separation or breakdown of fat due to lipolysis has occurred.</i>
SANS 318:2005/ ISO 1736:2000	<i>Dried milk and dried milk products – Determination of fat content – Gravimetric method (Reference method). Specifies the reference method for the determination of the fat content of dried milk and dried milk products. The method is applicable to dried milk with a fat content of 40 % (mass fraction) or more, dried whole, dried partially skimmed, and dried skimmed milk, dried whey, dried buttermilk and dried butter serum.</i>
SANS 361:2005/ ISO 10317:1992	<i>Rolling bearings – Metric tapered roller bearings – Designation system. Establishes a system for the designation of metric tapered roller bearings made in accordance with SANS 355.</i>
SANS 1669-1:2005	<i>Conveyor belt pulleys – Part 1: Pulley types, construction and dimensions. Specifies details on pulley types, construction and dimensions. Also covers handling of pulleys and shafts, and marking.</i>
SANS 1669-2:2005	<i>Conveyor belt pulleys – Part 2: Lagging. Specifies characteristics of lagging for conveyor belt pulleys. Covers flame retardant and non-flame retardant rubber lagging and ceramic lagging and includes lagging for underground use.</i>
SANS 2450:2005/ ISO 2450:1999	<i>Cream – Determination of fat content – Gravimetric method (Reference method). Specifies the reference method for the determination of the fat content of raw, processed and sour cream in which no appreciable separation or breakdown of fat, due to lipolysis, has occurred. The method is not applicable for sour creams with starch or other thickening agents.</i>
SANS 11870:2005/ ISO 11870:2000	<i>Milk and milk products – Determination of fat content – General guidance on the use of butyrometric methods. Specifies the reference method for the determination of the fat content of milk. The method is applicable to raw and processed liquid milk, partly skimmed milk and skimmed milk in which no appreciable separation or breakdown of fat due to lipolysis has occurred.</i>
SANS 12306:2005/ ISO 12306:1994	<i>Plain bearings – Measurement of wall thickness of thin-walled half-bearings and thin-walled bushes. Describes in accordance with SANS 12301 the checking methods and measuring equipment used for measuring the total wall thickness of thin-walled half-bearings and thin-walled bushes in the finished state. It is not applicable to thermoplastic bushes.</i>
SANS 60728-2:2005/ IEC 60728-2:2002	<i>Cabled distribution systems for television and sound signals – Part 2: Electromagnetic compatibility for equipment. Applies to the radiation characteristics and immunity to electromagnetic disturbances of active and passive equipment for the reception, processing and distribution of television, sound and interactive services signals, as dealt with in IEC 60728-3, IEC 60728-4, IEC 60728-5 and IEC 60728-6.</i>
SANS 61000-4-11:2005/ IEC 61000-4-11:2004	<i>Electromagnetic compatibility (EMC) – Part 4-11: Testing and measurement techniques – Voltage dips, short interruptions and voltage variations immunity tests. Defines the immunity test methods and range of preferred test levels for electrical and electronic equipment connected to low-voltage power supply networks for voltage dips, short interruptions, and voltage variations.</i>

Standard No. and year	Title, scope and purport
SANS 61000-4-16:2005/ IEC 61000-4-16:2002	<i>Electromagnetic compatibility (EMC) – Part 4-16: Testing and measurement techniques – Test for immunity to conducted, common mode disturbances in the frequency range 0 Hz to 150 kHz.</i> Relates to the immunity requirements and test methods for electrical and electronic equipment to conducted, common mode disturbances in the range d.c. to 150 kHz. The object is to establish a common and reproducible basis for testing electrical and electronic equipment with the application of common mode disturbances to power supply, control, signal and communication ports.
SANS 61000-4-28:2005/ IEC 61000-4-28:2002	<i>Electromagnetic compatibility (EMC) – Part 4-28: Testing and measurement techniques – V of power frequency, immunity test.</i> This basic EMC publication considers immunity tests for electric and/or electronic equipment in its electromagnetic environment. Only conducted phenomena are considered, including immunity tests for equipment connected to public and industrial networks. The object of this standard is to establish a reference for evaluating the immunity of electric and electronic equipment when subjected to variations of the power frequency.

## 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 352005 (Ed. 2.3)	<i>Dense shaped refractory bricks. Consolidated edition incorporating amendment No. 3.</i> Amended to change the title, the definitions of "acceptable", "defective" and "lot", and to include reference to shaped heat-insulated refractory products.
SANS 84:2005 (SABS SM 84:1978)	<i>Length of fabric in a piece or roll.</i> Specifies a method for the determination of the length of fabric in a piece or roll.
SANS 140-3:1995/ ISO 140-3:1995	<i>Acoustics – Measurement of sound insulation in buildings and of building elements – Part 3: Laboratory measurements of airborne sound insulation of building elements.</i> ISO amendment No. 1. Amended to add annex H.
SANS 218-2:2005/ CISPR 18-2:1986	<i>Radio interference characteristics of overhead power lines and high-voltage equipment – Part 2: Methods of measurement and procedure for determining limits.</i> CISPR amendment No. 1. Amended to add a new clause 3 on methods for derivation of limits for the radio noise due to HVDC lines, a new clause 4 on procedures for determining limits of radio noise produced by insulator sets, new references to the 'Bibliography and references', and new figures 12 and 13. CISPR amendment No. 2. Amended to add a new clause 5 on methods for derivation of limits for the radio noise due to HVDC converter stations and similar installations, and to add new figures 14 to 22.
SANS 3422005 (Ed. 3.3)	<i>Automotive diesel fuel. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards, to substitute a requirement for total contamination for the requirement for sediment content, to introduce alternative test methods for water content and for density, and to delete reference to the certification mark in the annex on quality verification.
SANS 468:2005 (SABS SM 468:1973)	<i>Breaking strength and extension at break of textile fabrics: narrow strip method using constant rate of traverse.</i> Specifies the narrow strip method for the determination of the breaking strength and extension at break of textile fabrics, using a constant rate of traverse of the pulling jaw of the tensile-strength testing machine.
SANS 5372005 (Ed. 3.1)	<i>Over thermostats for electric stoves. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update referenced standards, to change the definition for "acceptable", to correct references to the annex on notes to purchasers in the subclause on control knobs and spindles and in the subclause on ratings, and to delete reference to the SABS in the annex on sampling and compliance.
SANS 803:2005 (Ed. 4.3)	<i>Fibre-cement boards. Consolidated edition incorporating amendment No. 2.</i> Amended to update the definition for "acceptable" and the referenced standards, and to exclude asbestos fibre.
SANS 12382005 (SABS 1238:1979)	<i>Air-conditioning ductwork.</i> Covers the material, constructional and dimensional requirements for steel and aluminium ductwork (together with fittings and dampers) of rectangular and circular cross-sections, for use in air-conditioning systems that operate at low, medium and high pressures.
SANS 1480:2005 (Ed. 1.2)	<i>Single control mixer taps. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards, to add a definition for "acceptable" and to change a requirement for stainless steel.
SANS 15332005 (Ed. 1.4)	<i>Padlocks. Consolidated edition incorporating amendment No. 4.</i> Amended to update referenced standards and the definition of "acceptable" and to replace the reference to quality verification.
SANS 1774:2005 (Ed. 1.2)	<i>Liquefied petroleum gases. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards and to change the vapour pressure for the liquefied petroleum gas mixture at 37,8 °C, from 1 435 kPa to 1 050 kPa.
SANS 1808-2:2005 (Ed. 1.2)	<i>Water supply and distribution system components – Part 2: Metallic compression type pipe couplings. Consolidated edition incorporating amendment No. 2.</i> Amended to update the list of parts in the foreword, to delete reference to the certification mark, to update the definition of "acceptable", to change the requirement for stainless steel, and to update referenced standards.

Standard No. and year	Title, scope and purport
SANS 1808-10:2005 (Ed. 1.2)	Water supply and distribution system components – Part 10: Copper alloy check valves (spring-loaded). Consolidated edition incorporating amendment No. 2. Amended to update the list of parts in the foreword, to update referenced standards, to change the requirements for stainless steel, to add a note defining "acceptable" and to delete reference to the certification mark.
SANS 1808-32:2005 (Ed. 1.2)	Water supply and distribution system components – Part 32: Float valves (equilibrium type). Consolidated edition incorporating amendment No. 2. Amended to update the list of parts in the foreword, to update referenced standards, to update the definition of "acceptable", to change the requirements for stainless steel and to delete reference to the certification mark.
SANS 1808-37:2005 (Ed. 1.2)	Water supply and distribution system components – Part 37: Single-control mixer taps (plastics). Consolidated edition incorporating amendment No. 2. Amended to update the list of parts in the foreword, to update referenced standards, to include a definition of "acceptable" and to renumber the remaining definitions, and to delete reference to the certification mark in the annex on quality verification.
SANS 1808-44:2005 (Ed. 1.2)	Water supply and distribution system components – Part 44: Pipe saddles. Consolidated edition incorporating amendment No. 2. Amended to update the list of parts in the foreword, to update referenced standards, to update the definition of "acceptable" and to delete reference to the certification mark.
SANS 1808-53:2005 (Ed. 1.2)	Water supply and distribution system components – Part 53: Drain cocks for hot-water storage containers. Consolidated edition incorporating amendment No. 2. Amended to update the list of parts in the foreword, to update referenced standards, to redefine "acceptable", to change the requirement for stainless steel and to remove reference to the certification mark.
SANS 1808-66:2005 (Ed. 1.2)	Water supply and distribution system components – Part 66: Demand type water taps. Consolidated edition incorporating amendment No. 2. Amended to update the list of parts in the foreword, to update referenced standards, to redefine "acceptable", to change the requirement for stainless steel and to delete reference to the certification mark.
SANS 1834:2005 (Ed. 1.1)	Unsintered polytetrafluoroethylene (PTFE) tapes for engineering applications. Consolidated edition incorporating amendment No. 1. Amended to update referenced standards and to redefine "acceptable".
SANS 5213:2005 (Ed. 2.2)	Water – Dissolved solids content. Consolidated edition incorporating amendment No. 2. Amended to change a referenced standard.
SANS 5267:2005 (SABSSM 267:1973)	Threads per centimetre in narrow woven textile fabric. Specifies a method for the determination of the number of threads per centimetre in narrow woven textile fabrics.
SANS 5301:2005 (SABS SM 301:1973)	Splitting resistance of textile felts. Specifies a method for the determination of the splitting resistance of textile felts.
SANS 5314:2005 (SABS SM 314:1973)	Plaits per centimetre in a textile braid. Specifies a method for the determination of plaits per centimetre in a textile braid.
SANS 5323:2005 (SABS SM 323:1973)	Breaking strength of seams in textiles. Specifies a method for the determination of the breaking strength of seams in textiles.
SANS 5328:2005/ (SABSSM 328:1973)	Tear resistance of textile felts. Specifies a method for the determination of the tear resistance of textile felts.
SANS 5369:2005 (SABSSM 369:1973)	Dimensions of hosiery. Specifies a method for the determination of the dimensions of hosiery.
SANS 6032:2005 (Ed. 1.1)	Accelerated degradation of adhesive bonds in wood. Consolidated edition incorporating amendment No. 1. Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 6034:2005 (Ed. 1.1)	pH Value of wood adhesives. Consolidated edition incorporating amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.
SANS 6036:2005 (Ed. 1.1)	Total solids content (non-volatile matter) of wood adhesives. Consolidated edition incorporating amendment No. 1. Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 6037:2005 (Ed. 1.1)	Insoluble matter content of wood adhesives. Consolidated edition incorporating amendment No. 1. Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 10298:2005 (Ed. 1.1)	Indirect small to medium-sized gas chlorination systems for the disinfection of water. Consolidated edition incorporating amendment No. 1. Amended to change the designation of SABS standards to SANS standards and to update the referenced standards.
SANS 12944-2:1998/ S O 12944-2:1998	Paints and varnishes – Corrosion protection of steel structures by protective paint systems – Part 2: Classification of environments. National amendment No. 1. Amended to change the designation from SABS standards to SANS, with no technical changes.
SANS 12944-4:1998/ ISO 12944-4:1998	Paints and varnishes – Corrosion protection of steel structures by protective paint systems – Part 4: Types of surface and surface preparation. National amendment No. 1. Amended to change the designation from SABS standards to SANS, with no technical changes.
SANS 12944-5:1998/ S O 12944-5:1998	Paints and varnishes – Corrosion protection of steel structures by protective paint systems – Part 5: Protective paint systems. National amendment No. 1. Amended to change the designation from SABS standards to SANS, with no technical changes.

Standard No. and year	Title, scope and purport
SANS 15504-1:2005/ ISO/IEC 15504-1:2004 (SABS ISO/IEC TR 15504-1:1998)	<b>Information technology – Process assessment – Part 1: Concepts and vocabulary.</b> Provides overall information on the concepts of process assessment and its use in the two contexts of process improvement and process capability determination. Provides guidance on selection and use of the suite of standards.
SANS 50286-1:1998/ EN 286-1:1998	<b>Simple unfired pressure vessels designed to contain air or nitrogen – Part 1: Pressure vessels for general purposes.</b> EN amendment No. 1. Amended to change the calculation method for reverse narrow-faced gasket flanges (6.4.5.3). EN corrigendum. Corrected to replace the figure on design curves for elliptical and torispherical ends (figure 6.4.3.2-1) with a new figure, and to replace the formula for an effective gasket sealing width (formula 6.4.5.1.1-1) with a new formula.
SANS 60601-1-2:2005/ IEC 60601-1-2:2004 (Ed. 2.1)	<b>Medical electrical equipment – Part 1-2: General requirements for safety – Collateral standard: Electromagnetic compatibility – Requirements and tests.</b> Consolidated edition incorporating IEC amendment No. 1. Amended to change and add requirements for equipment and systems that comply with CISPR II Group 2 Class B, are for use by healthcare professionals, are not intended for sale to the general public and are intended for use in domestic establishments or connected to the public mains network.
SANS 61000-4-7:2003/ IEC 61000-4-7:2002	<b>Electromagnetic compatibility (EMC) – Part 4-7: Testing and measurement techniques – General guide on harmonics and interharmonics measurements and instrumentation, for power supply systems and equipment connected thereto.</b> IEC corrigendum No. 1. Amended to correct two equations related to frequency analysis in 3.1.
SANS 61000-4-16:2005/ IEC 61000-4-16:2002 (Ed. 1.1)	<b>Electromagnetic compatibility (EMC) – Part 4-16: Testing and measurement techniques – Test for immunity to conducted, common mode disturbances in the frequency range 0 Hz to 150 kHz.</b> Consolidated edition incorporating IEC amendment No. 1. Amended to replace the subclause on climatic conditions with a new subclause (8.1.1), to replace the clause "Test results and test report" with a new clause "Evaluation of test results" (clause 9), and to add a new clause "Test report" (clause 10).
SANS 61000-4-28:2005/ IEC 61000-4-28:2002 (Ed. 1.1)	<b>Electromagnetic compatibility (EMC) – Part 4-28: Testing and measurement techniques – Variation of power frequency, immunity test.</b> Consolidated edition incorporating IEC amendment No. 1. Amended to replace 8.1 'Climatic conditions' with a new clause in which reference to IEC 60068-1 has been removed, to replace clause 9 'Test results and test report' with a new clause 'Evaluation of test results', and to add a new clause 10 'Test report'.

### 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 60332-2:1989	Tests on electric cables under fire conditions – Part 2: Test on a single small vertical insulated copper wire or cable
SANS 61241-1-1:1999	Electrical apparatus for use in the presence of combustible dust – Part 1-1: Electrical apparatus protected by enclosures and surface temperature limitation – Specification for apparatus
SANS 61241-1-2:1999	Electrical apparatus for use in the presence of combustible dust – Part 1-2: Electrical apparatus protected by enclosures and surface temperature limitation – Selection, installation and maintenance
SANS 61241-3:1997	Electrical apparatus for use in the presence of combustible dust – Part 3: Classification of areas where combustible dusts are or may be present

### 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.