

DEPARTMENT OF TRADE AND INDUSTRY

No. 796

9 July 2004

STANDARDS ACT, 1993
STANDARDS MATTERS

In terms of the Standards Act, 1993 (Act 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 101:2004	<i>White metal designated WM 6.</i> Covers a grade of white metal designated WM 6, according to its average tin content.
SANS 102:2004	<i>White metal designated WM 15.</i> Covers a grade of white metal designated WM 15, according to its average tin content.
SANS 103:2004	<i>White metal designated WM 30.</i> Covers a grade of white metal designated WM 30, according to its average tin content.
SANS 104:2004	<i>White metal designated WM 40.</i> Covers a grade of white metal designated WM 40, according to its average tin content.
SANS 106:2004	<i>White metal designated WM 66.</i> Covers a grade of white metal designated WM 66, according to its average tin content.
SANS 124:2004	<i>White metal designated WM 90.</i> Covers a grade of white metal designated WM 90, according to its average tin content.
SANS 216-1-1:2004/ CISPR 16-1-1:2003	<i>Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-1: Radio disturbance and immunity measuring apparatus – Measuring apparatus.</i> Specifies the characteristics and performance of equipment for the measurement of radio disturbance voltages, currents and fields in the frequency range 9 kHz to 18 GHz. In addition, requirements are specified for specialized equipment for discontinuous disturbance measurements. The requirements include the measurement of broadband and narrowband types of radio disturbance.
SANS 216-1-2:2004/ CISPR 16-1-2:2003	<i>Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-2: Radio disturbance and immunity measuring apparatus – Ancillary equipment – Conducted disturbances.</i> Specifies the characteristics and performance of equipment for the measurement of radio disturbance voltages and currents in the frequency range 9 kHz to 1 GHz. Specifications for ancillary apparatus are included for artificial mains networks, current and voltage probes and coupling units for current injection on cables.
SANS 216-1-3:2004/ CISPR 16-1-3:2003	<i>Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-3: Radio disturbance and immunity measuring apparatus – Ancillary equipment – Disturbance power.</i> Specifies the characteristics and calibration of the absorbing clamp for the measurement of radio disturbance power in the frequency range 30 MHz to 1 GHz.
SANS 216-1-4:2004/ CISPR 16-1-4:2003	<i>Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-4: Radio disturbance and immunity measuring apparatus – Ancillary equipment – Radiated disturbances.</i> 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.
SANS 216-1-5:2004/ CISPR 16-1-5:2003	<i>Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-5: Radio disturbance and immunity measuring apparatus – Antenna calibration test sites for 30 MHz to 1 000 MHz.</i> Specifies the requirements for calibration test sites, used to perform antenna calibrations, as well as the test antenna characteristics, calibration site verification procedure and site compliance criteria. Further information on calibration site requirements, test antenna considerations and the theory of antennas and site attenuation is provided in informative annexes.
SANS 216-2-2:2004/ CISPR 16-2-2:2003	<i>Specification for radio disturbance and immunity measuring apparatus and methods – Part 2-2: Methods of measurement of disturbances and immunity – Measurement of disturbance power.</i> Specifies the methods of measurement of disturbance power using the absorbing clamp in the frequency range 30 MHz to 1 000 MHz.
SANS 216-2-3:2004/ CISPR 16-2-3:2003	<i>Specification for radio disturbance and immunity measuring apparatus and methods – Part 2-3: Methods of measurement of disturbances and immunity – Radiated disturbance measurements.</i> Specifies the methods of measurement of radiated disturbance phenomena in the frequency range 9 kHz to 18 GHz.

Standard No. and year	Title, scope and purport
SANS 216-2-4:2004/ CISPR 16-2-4:2003	<i>Specification for radio disturbance and immunity measuring apparatus and methods – Part 2-4: Methods of measurement of disturbances and immunity – Immunity measurements.</i> Specifies the methods of measurement of immunity to EMC phenomena in the frequency range 9 kHz to 18 GHz.
SANS 216-4-1:2004/ CISPR 16-4-1:2003	<i>Specification for radio disturbance and immunity measuring apparatus and methods – Part 4-1: Uncertainties, statistics and limit modelling – Uncertainties in standardized EMC tests.</i> Gives guidance on the treatment of uncertainties to those who are involved in the development or modification of CISPR electromagnetic compatibility (EMC) standards. In addition, useful background information is provided for those who apply the standards and the uncertainty aspects in practice. This part is limited to all the relevant uncertainty considerations of a standardized EMC compliance test.
SANS 216-4-2:2004/ CISPR 16-4-2:2003	<i>Specification for radio disturbance and immunity measuring apparatus and methods – Part 4-2: Uncertainties, statistics and limit modelling – Uncertainty in EMC measurements.</i> Specifies the manner in which measurement uncertainty is to be taken into account in determining compliance with CISPR limits. The material is also relevant to any EMC test when interpretation of the results and conclusions reached will be impacted by the uncertainty of the instrumentation used during the testing.
SANS 216-4-3:2004/ CISPR/TR 16-4-3:2003	<i>Specification for radio disturbance and immunity measuring apparatus and methods – Part 4-3: Uncertainties, statistics and limit modelling – Statistical considerations in the determination of EMC compliance of mass-produced products.</i> Contains recommendations on statistics of disturbance complaints, on the significance of CISPR limits, and specific reports.
SANS 216-4-4:2004/ CISPR/TR 16-4-4:2003	<i>Specification for radio disturbance and immunity measuring apparatus and methods – Part 4-4: Uncertainties, statistics and limit modelling – Statistics of complaints and a model for the calculation of limits.</i> Describes the calculation of limits for disturbance field strength and disturbance voltage for the measurement of the test site on the basis of models for the generation of disturbance for radiation coupling respectively for mains coupling.
SANS 661:2004/ ISO 661:2003	<i>Animal and vegetable fats and oils – Preparation of test sample.</i> Specifies the procedure for the preparation of animal and vegetable fats and oils for analysis.
SANS 1545-6:2004	<i>Safety rules for the construction and installation of lifts – Part 6: Rack-and-pinion lifts.</i> Specifies safety rules for the construction, installation and maintenance of rack-and-pinion lifts that serve defined landing levels, that have cars designed for the transportation of persons or persons and goods, and move on guide rails.
SANS 1545-9:2004	<i>Safety rules for the construction and installation of lifts – Part 9: Lift landing doors – Fire resistance testing.</i> Specifies a method of test for the determination of the fire resistance of lift landing doors when exposed to a fire from the landing side.
SANS 1808-85:2004	<i>Water supply and distribution systems – Part 85: Oriented polyvinyl chloride (PVC-O) pressure pipes for underground use.</i> Specifies requirements for oriented polyvinyl chloride (PVC-O) pipes that are intended for above-ground and below-ground pressure applications for the conveyance of potable and sewerage water in reticulation systems, irrigation systems as well as mining systems.
SANS 62271-200:2004/ IEC 62271-200:2003	<i>High-voltage switchgear and controlgear – Part 200: AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV.</i> Specifies requirements for factory-assembled metal-enclosed switchgear and controlgear for alternating current of rated voltages above 1 kV and up to and including 52 kV for indoor and outdoor installation, and for service frequencies up to and including 60 Hz. Enclosures may include fixed and removable components and may be filled with fluid (liquid or gas) to provide insulation. For metal-enclosed switchgear and controlgear containing gas-filled compartments, the design pressure is limited to a maximum of 300 kPa (relative pressure).
SANS 300132-1:2004/ ETS 300132-1:1996	<i>Equipment Engineering (EE); Power supply interface at the input to telecommunications equipment – Part 1: Operated by alternating current (ac) derived from direct current (dc) sources.</i> Contains requirements for the output performance of the (stabilized) ac power supply derived from dc sources as specified in SANS 300132-1, and the input of the telecommunications equipment connected to interface 'A', powered by ac not directly provided by the mains. Aims at providing compatibility between the power supply equipment and the power consuming telecommunications equipment, and also between different load units connected to the same power supply.
SANS 300296-2:2004/ ETSI EN 300296-2:2001	<i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment using integral antennas intended primarily for analogue speech – Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive.</i> Applies to radio equipment with integral antennas, used in angle modulation systems in the land mobile service, operating on radio frequencies between 30 MHz and 1 000 MHz, with channel separations of 12,5 kHz, 20 kHz and 25 kHz, and is intended primarily for analogue speech. Covers handportable stations with integral antennas.

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 216-1-4:2004/ CISPR 16-1-4:2003	<i>Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-4: Radio disturbance and immunity measuring apparatus – Ancillary equipment – Radiated disturbances. CISPR amendment No. 1.</i> Amended to add three new definitions, change the title of the subclause 'Alternative test site suitability' to 'Test site suitability with ground-plane', and add a new subclause titled 'Test site suitability without ground-plane'.

Standard No. and year	Title, scope and purport
SANS 455:2004 (Ed. 4.3)	<i>Covered electrodes for the manual arc welding of carbon and carbon manganese steels. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards, to change the definition of "acceptable", to delete the reference to the mark scheme, to add requirements for the radiographic examination of deposited metal, to add two definitions and an appendix consisting of figures.
SANS 513:2004 (Ed. 3.3)	<i>Retro-reflectors (reflex reflectors). Consolidated edition incorporating amendment No. 3.</i> Amended to correct amendment 2 to the reinstatement of the marking of class of retro-reflector to class "1A", to update references, and to add information relating to the compulsory application of the standard.
SANS 630:2004 (Ed. 3.1)	<i>Decorative high gloss enamel paints. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards and to update normative references.
SANS 752:2004 (Ed. 2.4)	<i>Float valves. Consolidated edition incorporating amendment No. 4.</i> Amended to delete reference to a requirement and test method for noise level in the scope, to update the applicable standards and to change the test method for anti-siphonage.
SANS 791:2004 (Ed. 5.1)	<i>Unplasticized poly(vinyl chloride) (PVC-U) sewer and drain pipes and pipe fittings. Consolidated edition incorporating amendment No. 1.</i> Amended to include normative reference SANS 50681-1.
SANS 1322:2004 (Ed. 1.3)	<i>Portable, non-refillable fire extinguishers (general purpose type). Consolidated edition incorporating amendment No. 3.</i> Amended to change the designation from a SABS standard to a SANS standard, to delete reference to the certification mark, to redefine acceptable and portable fire extinguisher, to change the language requirements for marking, and to update the applicable standards.
SANS 1327:2004 (Ed. 1.4)	<i>Electrical connectors for towing and towed vehicles (7-pole connectors). Consolidated edition incorporating amendment No. 4.</i> Amended to change the definition for acceptable and to replace the reference to SANS 166 with SANS 7253.
SANS 1522:2004 (Ed. 2.1)	<i>Fire extinguishing powders. Consolidated edition incorporating amendment No. 1.</i> Amended to change the requirements and the test method for particle size distribution (sieve analysis).
SANS 10248:2004 (SABS 0248:1993)	<i>Management of healthcare waste.</i> Specifies criteria for the segregation, collection, movement, storage and disposal of waste materials within health care.
SANS 10329:2004 (Ed. 1.1)	<i>The design and construction of sectional steel tanks for storage of liquids at or above ground level. Consolidated edition incorporating amendment No. 1.</i> Amended to update the referenced standards, to redefine "acceptable", and to change the designation of a SABS standard to a SANS standard.
SANS 20028:1972/ ECE R28:1972	<i>Uniform provisions concerning the approval of audible warning devices and of motor vehicles with regard to their audible signals. National amendment No. 1.</i> Amended to add information to the national foreword that relates to the compulsory application of the standard. <i>ECE amendment No. 3.</i> Amended to add requirements for the measurement of sound level, to change the requirements for conformity of production, and to include distinguishing numbers of countries that grant approval of audible warning devices.
SANS 20056:1989/ ECE R56:1989	<i>Uniform provisions concerning the approval of headlamps for mopeds and vehicles treated as such. National amendment No. 1.</i> Amended to add information to the national foreword that relates to the compulsory application of the standard.
SANS 60335-2-34:2004/ IEC 60335-2-34:2002 (SABS IEC 60335-2-34:1999)	<i>Household and similar electrical appliances – Safety – Part 2-34: Particular requirements for motor-compressors.</i> Deals with the safety of sealed (hermetic and semi-hermetic type) motor-compressors, their protection and control systems, if any. Applies to motor-compressors tested separately under the most severe conditions that may be expected to occur in normal use, their rated voltage being not more than 250 V for single-phase motor-compressors and 480 V for other motor-compressors.
SANS 60335-2-76:2004/ IEC 60335-2-76:2002 (SABS IEC 60335-2-76:1997)	<i>Household and similar electrical appliances – Safety – Part 2-76: Particular requirements for electric fence energizers.</i> Deals with the safety of electric fence energizers, the rated voltage of which is not more than 250 V and by means of which fence wires in agricultural, feral animal control and security fences may be electrified or monitored. For appliances intended to be used on board ships or aircraft, additional requirements may be necessary. Does not apply to appliances intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas), separate battery chargers (SANS 60335-2-29), electric fishing machines (SANS 60335-2-86), electric animal-stunning equipment (SANS 60335-2-87), or appliances for medical purposes (IEC 60601).
SANS 60335-2-84:2003/ IEC 60335-2-84:2002	<i>Household and similar electrical appliances – Safety – Part 2-84: Particular requirements for toilets. ECE corrigendum No. 1.</i> Corrected to renumber the definitions.

SCHEDULE 3: CANCELLATION OF STANDARDS

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

Standard No. and year	Title
SANS 900:1970	<i>Pyrethrum extract (aerosol grade) without synergists</i>
SANS 1398:1994	<i>Road tank vehicles for petroleum-based flammable liquids</i>
SANS 1521:1990	<i>Insecticidal emulsifiable concentrates that contain deltamethrin (plant protection)</i>
SANS 5194:1975	<i>Volatile and non-volatile matter content of paints, varnishes, putties, and pastes (dish method)</i>
SANS 5320:1981	<i>Pesticides: Suspending and resuspending of water-dispersible powders (for household and agricultural or veterinary use)</i>
SANS 5577:1968	<i>Pesticides: Determination of the flash point of pyrethrum extracts by means of the Pensky-Martens (closed) apparatus</i>

Standard No. and year	Title
SANS 5578:1970	<i>Pesticides: Determination of the pyrethrin I and pyrethrin II content of pyrethrum extract by following the mercury-reduction method</i>
SANS 5579:1970	<i>Pesticides: Determination of pyrethrin I and pyrethrin II content of pyrethrum extract by following the mercury-reduction method (PBK Method)</i>
SANS 5586:1974	<i>Pesticides: Sieving of dusting powders</i>
SANS 5587:1978	<i>Pesticides: storage stability of water-dispersible and dusting powders</i>
SANS 5588:1978	<i>Pesticides: Storage stability of emulsifiable concentrates</i>
SANS 5589:1988	<i>Pesticides: Emulsion stability and foaming of emulsions (for household and agricultural use)</i>
SANS 5590:1978	<i>Pesticides: Acidity or alkalinity of water-dispersible powders, dusting powders, and emulsifiable concentrates</i>
SANS 5610:1980	<i>Pesticides: Storage stability of solutions</i>
SANS 5679:1981	<i>Pesticides: Water content of formulations (Karl Fischer direct titration visual end-point method)</i>
SANS 5680:1981	<i>Pesticides: Water content of formulations (Karl Fischer back-titration method, potentiometric end-point)</i>
SANS 5685:1988	<i>Pesticides: wettability of wettable powders</i>
SANS 5890:1977	<i>Pesticides: Comparative evaluation of the abrasiveness of colloidal suspensions, wettable powders, and their carriers</i>
SANS 5894:1978	<i>Pesticides: Flash point of emulsifiable concentrates flashing below 79 °C using the Tag closed tester</i>
SANS 5895:1977	<i>Pesticides: Pyrethrin I and pyrethrin II contents of concentrates and formulations (gas chromatographic method)</i>
SANS 5896:1981	<i>Pesticides: Emulsion stability of emulsions (for veterinary use)</i>
SANS 5958:1978	<i>Pesticides: Bromophos content of bromophos formulations (gas chromatographic method)</i>
SANS 10131-1:1977	<i>The storage and handling of liquid fuel – Part 1: Small consumer installations</i>
SANS 10131-2:1979	<i>The storage and handling of liquid fuel – Part 2: Large consumer installations</i>
SANS 10162-3:1984	<i>The structural use of steel – Part 3: Allowable stress design</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, Bloemfontein, 9320.