

DEPARTMENT OF TRADE AND INDUSTRY

No. 598

21 MAY 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 246:2004	<i>Code of practice for fire protection for electronic equipment installations.</i> Gives recommendations for the protection of electronic equipment against fire, including computers, mission critical servers, internet hosting centres, and systems of communication, design, manufacturing and distribution.
SANS 1036:2004/ ISO 36:1999	<i>Rubber, vulcanized or thermoplastic - Determination of adhesion to textile fabric.</i> Specifies a method of test for measuring the force required to separate, by stripping, two plies of fabric bonded with rubber, or a rubber layer and a fabric ply bonded together. The method is applicable when the ply surfaces are approximately plane or when they are in the form of a cylinder having an internal diameter greater than approximately 50 mm. The method is not applicable when the ply surfaces contain sharp bends, angles or other gross irregularities which cannot be excluded when cutting out test pieces.
SANS 1934:2004	<i>Live working - Portable equipment for earthing or earthing and short-circuiting - National modifications to international requirements.</i> Specifies the national limitations on, and additions to, the international standard SANS 61230 for portable earthing equipment for busbars and overhead lines. Applies to equipment for temporary earthing of electrically isolated transmission and distribution systems, for the protection of workers and operating personnel. Front-end standard. Can only be read in conjunction with SANS 61230.
SANS 9080:2004/ ISO 9080:2003	<i>Plastics piping and ducting systems - Determination of the long-term hydrostatic strength of thermoplastics materials in pipe form by extrapolation.</i> Describes a method for estimating the long-term hydrostatic strength of thermoplastics materials by statistical extrapolation. The method is applicable to all types of thermoplastics pipe at applicable temperatures. It was developed on the basis of test data from pipe systems. The dimensions of the pipes to be tested may be specified in the relevant product/system standards and, if so, are included in the test report.
SANS 9126-2:2004/ ISO/IEC TR 9126-2:2003	<i>Software engineering - Product quality - Part 2: External metrics.</i> Defines external metrics for quantitatively measuring external software quality in terms of characteristics and sub-characteristics defined in SANS 9126-1. It contains an explanation of the application of software quality metrics, a basic set of metrics for each sub-characteristic and an example of how to apply the metrics during the software product life cycle. It can be applied to any kind of software for any application. Users can select or modify and apply metrics and measures from this standard or may define application-specific metrics for their individual application domain.
SANS 9126-3:2004/ ISO/IEC TR 9126-3:2003	<i>Software engineering - Product quality - Part 3: Internal metrics.</i> Defines internal metrics for quantitatively measuring external software quality in terms of characteristics and sub-characteristics defined in SANS 9126-1. It contains an explanation of the application of software quality metrics, a basic set of metrics for each sub-characteristic and an example of how to apply the metrics during the software product life cycle. It can be applied to any kind of software for any application. Users can select or modify and apply metrics and measures from this standard or may define application-specific metrics for their individual application domain.
SANS 10131:2004	<i>Above-ground storage tanks for petroleum products.</i> Covers the above-ground storage and handling of petroleum products at consumer installations with a total storage capacity not exceeding 200 m ³ . Specifies the design, manufacture and construction of above-ground storage tanks not exceeding a capacity of 85 m ³ .
SANS 10993-10:2004/ ISO 10993-10:2002	<i>Biological evaluation of medical devices - Part 10: Tests for irritation and delayed-type hypersensitivity.</i> Describes the procedure for the assessment of medical devices and their constituent materials with regard to their potential to produce irritation and delayed-type hypersensitivity. Includes pretest considerations, details of the test procedures, and key factors for the interpretation of the results.
SANS 11043-1:2004/ ISO 1043-1:2001	<i>Plastics - Symbols and abbreviated terms - Part 1: Basic polymers and their special characteristics.</i> Gives uniform abbreviated terms for plastics, and symbols for components of these terms. Includes only those abbreviated terms that have come into established use and its aim is both to prevent the occurrence of more than one abbreviated term for given plastics terms and to prevent a given abbreviated term being interpreted in more than one way.

Standard No. and year	Title, scope and purport
SANS 11890-1:2004/ ISO 11890-1:2000	<i>Paints and varnishes - Determination of volatile organic compound (VOC) content - Part 1: Difference method.</i> Specifies a method for the determination of the volatile organic compound (VOC) content of paints, varnishes and their raw materials. May be used where the expected VOC content is greater than about 15 % (by mass).
SANS 11890-2:2004/ ISO 11890-2:2000	<i>Paints and varnishes - Determination of volatile organic compound (VOC) content - Part 2: Gas-chromatographic method.</i> Specifies a method for the determination of the volatile organic compound (VOC) content of paints, varnishes and their raw materials. Shall be used where the expected VOC content is greater than 0,1 % (by mass) and less than about 15 % (by mass).
SANS 14143-3:2004/ ISO/IEC TR 14143-3:2003	<i>Information technology - Software measurement - Functional size measurement - Part 3: Verification of functional size measurement methods.</i> Establishes a framework for verifying the statements of a Function Size Measurement (FSM) Method and/or for conducting tests requested by the verification sponsor, relative to the performance properties of repeatability and reproducibility, accuracy, convertibility, discrimination threshold, and applicability to Functional Domains.
SANS 50280:2004/ EN 280:2001	<i>Mobile elevating work platforms - Design calculations - Stability criteria - Construction - Safety - Examinations and tests.</i> Specifies technical safety requirements, structural design and calculations, stability criteria, construction, safety examination and testing of mobile elevating work platforms.
SANS 60044-3:2004/ IEC 60044-3:2002	<i>Instrument transformers - Part 3: Combined transformers.</i> Applies to newly manufactured combined transformers for use with electrical measuring instruments and electrical protective devices at frequencies from 15 Hz to 100 Hz.
SANS 60252-2:2004/ IEC 60252-2:2003	<i>AC motor capacitors - Part 2: Motor start capacitors.</i> Applies to motor start capacitors intended for connection to windings of asynchronous motors supplied from a single-phase system having the frequency of the mains.
SANS 61770:2004/ IEC 61770:1998	<i>Electric appliances connected to the water mains - Avoidance of backsiphonage and failure of hose-sets.</i> Deals with the requirements for the connection of washing machines, dishwashers and condensation type tumble dryers to the water mains having a water pressure not exceeding 1 MPa for prevention of backsiphonage of non-potable water into the water mains and flooding due to failure of hose-sets.

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 967:2004 (Ed. 2.3)	<i>Unplasticized poly(vinyl chloride) (PVC-U) soil, waste and vent pipes and pipe fittings. Consolidated edition incorporating amendment No. 3.</i> Amended to change the dimensions of 75 mm and 110 mm pipe fittings and to insert an additional reference to elastomeric seals.
SANS 972-2:2004 (Ed. 2.3)	<i>Signs for street and property identification - Part 2: Non-retro-reflective signs. Consolidated edition incorporating amendment No. 3.</i> Amended to replace references to SANS 166 with SANS 7253, SANS 167 with ISO 11341 and SANS 5147 with SANS 279.
SANS 1088:2004 (Ed. 1.2)	<i>Luminaire entries and spigots. Consolidated edition incorporating amendment No. 2.</i> Amended to delete references to SANS 679, SANS 684 and SANS 10064.
SANS 1186-4:2004 (Ed. 1.1)	<i>Symbolic safety signs - Part 4: Retro-reflective signs. Consolidated edition incorporating amendment No. 1.</i> Amended to update a referenced standard, to correct a reference in the "Notes to purchasers" annex, and to delete the reference to a certification mark.
SANS 1534:2004 (Ed. 1.4)	<i>Resin capsules for use with tendon based support systems. Consolidated edition incorporating amendment No. 4.</i> Amended to update referenced standards, to replace the definition of "acceptable", to add a requirement for capsules longer than 1 000 mm, and to change the viscosity requirements.
SANS 1713:2004 (Ed. 1.2)	<i>Electric cables - Medium-voltage aerial bundled conductors for voltages from 3,8/6,6 kV to 19/33 kV. Consolidated edition incorporating amendment No. 2.</i> Amended to make the water blocking of metallic screens optional, to delete details of the certification mark scheme and the note on acceptable testing authorities, and to update the definition of "acceptable".
SANS 1819:2004 (1.1)	<i>Snatch blocks. Consolidated edition incorporating amendment No. 1.</i> Amended to change the NOTE under scope to WARNING, to update referenced standards, to change the definition of "acceptable" and to introduce an additional requirement for cast side cheeks.
SANS 1885:2004 (Ed. 1.1)	<i>Metal-clad switchgear for rated a.c. voltages above 1 kV and up to and including 36 kV - General requirements and methods of test. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards, and to replace reference to SABS SM 155, SABS IEC 60056, SABS IEC 60129 and SABS IEC 60420 with reference to SANS 7253, SANS 62271-100, SANS 62271-102 and SANS 62271-105, respectively.
SANS 5189:2004 (Ed. 2.1)	<i>Alcohol-insoluble matter content of soap products. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes, to include a scope and to renumber all subsequent clauses.
SANS 5190:2004 (Ed. 1.1)	<i>Water insoluble matter content of soap products. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes, to include a scope and a normative reference clause, and to renumber all subsequent clauses.

Standard No. and year	Title, scope and purport
SANS 5222:2004 (Ed. 1.1)	<i>Identification of rosin in fatty matter. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes, to include a scope and a normative reference clause, and to renumber all subsequent clauses.
SANS 5583:2004 (SABS SM 583:1978)	<i>Pesticides – Biological evaluation of the contact efficacy of liquid residual insecticides.</i> Specifies a method for the biological evaluation of the contact efficacy of liquid residual insecticides.
SANS 7811-1:2004/ ISO/IEC 7811-1:2002 (SABS ISO/IEC 7811-1:1995)	<i>Identification cards – Recording technique – Part 1: Embossing.</i> Describes the parameters for identification cards as described in the definitions clause and the use of such cards for international interchange, specifies requirements for embossed characters on identification cards, takes into consideration both human and machine aspects.
SANS 7811-2:2004/ ISO/IEC 7811-2:2001 (SABS ISO/IEC 7811-2:1995)	<i>Identification cards – Recording technique – Part 2: Magnetic stripe – Low coercivity.</i> Describes the characteristics for identification cards as defined in the definitions clause and the use of such cards in the international interchange, specifies requirements for a low coercivity magnetic stripe (including any protective overlay) on an identification card, the encoding technique and coded character sets.
SANS 7811-6:2004/ ISO/IEC 7811-6:2001 (SABS ISO/IEC 7811-6:1996)	<i>Identification cards – Recording technique – Part 6: Magnetic stripe – High coercivity.</i> Describes the characteristics for identification cards as defined in the definitions clause and the use of such cards for international interchange, specifies requirements for a high coercivity magnetic stripe (including any protective overlay) on an identification card, for the encoding technique and for coded character sets.
SANS 10087-3:2004 (Ed. 3.2)	<i>The handling, storage, and distribution of liquefied petroleum gas in domestic, commercial and industrial installations – Part 3: Liquefied petroleum gas installations involving storage vessels of individual water capacity exceeding 500 L. Consolidated edition incorporating amendment No. 2.</i> Amended to include requirements in an annex for the storage and dispensing of Liquefied Petroleum Gas (LPG) as an automotive fuel at service stations, update the acknowledgements, extend the scope to refer to the new annex, update the normative references, refer (where applicable) to the new annex in the text, add a requirement for the protection of vessels from fire and other emergency incidents.
SANS 14050:2004/ ISO 14050:2002 (SABS ISO 14050:1998)	<i>Environmental management – Vocabulary.</i> Contains definitions of fundamental concepts related to environmental management, published in the ISO 14000 series of standards.
SANS 20112:2003/ ECE R112:2001	<i>Uniform provisions concerning the approval of motor vehicle headlamps emitting an asymmetrical passing beam or a driving beam or both and equipped with filament lamps.</i> <i>ECE amendment No. 1.</i> Amended to change footnotes, the requirements for marking and the test for stability of photometric performance, and to correct the requirement for illumination at the point of intersection of a driving beam. <i>ECE amendment No. 2.</i> Amended to add definitions, a requirement for the application for approval of a headlamp and requirements for bend lighting, and to change the requirements for headlamps designed to provide alternately a driving beam and a passing beam. <i>ECE amendment No. 3.</i> Amended to add requirements for bend lighting and for an overview of operational periods concerning the test for stability of photometric performance. <i>National amendment No. 1.</i> Amended to add information that relates to the compulsory application of the standard.
SANS 60034-9:2004/ IEC 60034-9:2003 (SABS IEC 60034-9:1997)	<i>Rotating electrical machines – Part 9: Noise limits.</i> Specifies maximum A-weighted sound power levels for factory acceptance testing of rotating electrical machines in accordance with SANS 60034-1, having methods of cooling according to SANS 60034-6 and degrees of protection according to SANS 60034-5, and having the following characteristics: standard design, either a.c. or d.c., without additional special electrical, mechanical, or acoustical modifications intended to reduce the noise level, rated output from 1 W (or kVA) up to and including 5 500 kW (or kVA) and speed not greater than 3 750 r/min ⁻¹ .
SANS 60137:2004/ IEC 60137:2003 (SABS IEC 60137:1995)	<i>Insulated bushings for alternating voltages above 1 000 V.</i> Applicable to bushings intended for use in electrical apparatus, machinery, transformers, switchgear and installations for three-phase alternating current systems, having highest voltage for equipment above 1 000 V and power frequencies of 15 Hz up to and including 60 Hz.
SANS 60269-3:1987/ IEC 60269-3:1987	<i>Low-voltage fuses – Part 3: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household and similar applications).</i> <i>IEC amendment No. 1.</i> Amended to correct the fuse characteristics for power dissipation and to delete the tracking test for insulation material.
SANS 60282-2:2004/ IEC 60282-2:1997 (Ed. 1.1)	<i>High-voltage fuses – Part 2: Expulsion fuses. Consolidated edition incorporating IEC amendment No. 1.</i> Amended to add requirements for conditions of behaviour with respect to breaking capacity, and for disposal of fuses.
SANS 60335-2-90:2004/ IEC 60335-2-90:2003 (Ed. 2.1)	<i>Household and similar electrical appliances – Safety – Part 2-90: Particular requirements for commercial microwave ovens. Consolidated edition incorporating IEC amendment No. 1.</i> Amended to replace the existing leakage current and electric strength text.
SANS 60745-1:2004/ IEC 60745-1:2003 (Ed. 2.2)	<i>Hand-held motor-operated electric tools – Safety – Part 1: General requirements. Consolidated edition incorporating IEC amendment No. 2.</i> Amended to extend the scope to include requirements for foreseeable misuse of the tools. <i>IEC corrigendum No. 1.</i> Corrected to change both spherical and cylindrical radius values of figure 1.
SANS 60793-2:2004/ IEC 60793-2:2003 (SABS IEC 60793-2:1998)	<i>Optical fibres – Part 2: Product specifications – General.</i> Contains the general specifications for both multimode and single-mode optical fibres. Sectional specifications for each of the four multimode categories: A1, A2, A3, and A4 contain requirements specific to each category. A sectional specification for all single-mode categories contains requirements common to all single-mode fibres. Within each sectional specification, family specifications - found as normative annexes - contain requirements for the applicable sub-categories. These sub-categories are distinguished on the basis of different fibre types or applications.

Standard No. and year	Title, scope and purport
SANS 60884-1:2004/ IEC 60884-1:2002 (SABS IEC 60884-1:1994)	<i>Plugs and socket-outlets for household and similar purposes - Part 1: General requirements.</i> Applies to plugs and fixed or portable socket-outlets for a.c. only, with and without earthing contact, with a rated voltage above 50 V but not exceeding 440 V and a rated current not exceeding 32 A, intended for household and similar purposes, either indoors or outdoors. Applies also to plugs incorporated in cord sets, to plugs and portable socket-outlets incorporated in cord extension sets, and to plugs and socket-outlets which are a component of an appliance.
SANS 61347-1:2004/ IEC 61347-1:2003 (Ed. 1.1)	<i>Lamp controlgear - Part 1: General and safety requirements. Consolidated edition incorporating IEC amendment No. 1.</i> Amended to change the scope and table for electric strength test voltage; to add notes to the introduction and to the requirements for creepage distances and clearances, and requirements for magnetic ballasts with double or reinforced insulation.
SANS 61347-2-9:2004/ IEC 61347-2-9:2003 (Ed. 1.1)	<i>Lamp controlgear - Part 2-9: Particular requirements for ballasts for discharge lamps (excluding fluorescent lamps). Consolidated edition incorporating IEC amendment No. 1.</i> Amended to add requirements for ballasts using ignitors.

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 1280:1980	<i>Industrial safety belt webbing</i>
SANS 5048:1975	<i>Recoating properties of paints</i>
SANS 5124:1975	<i>Resistance to rubbing of distemper</i>
SANS 5128:1975	<i>Refractive index of oils and clear varnishes</i>
SANS 5132:1975	<i>Colour stability of paint films in the dark (resistance to yellowing)</i>
SANS 5133:1975	<i>Colour stability of binders and clear varnishes in the dark (resistance to yellowing)</i>
SANS 5172:1975	<i>Resistance to petrol of paint and varnish films</i>
SANS 5174:1975	<i>Dry hiding power of paints</i>
SANS 5195:1975	<i>Moisture content of pigments, extenders, and power distempers</i>
SANS 5196:1975	<i>Water content of paints, varnishes, and putties (Dean and Stark method)</i>
SANS 5561:1975	<i>Rosin acids content of paint vehicles</i>
SANS 5818:1986	<i>Resistance of decorative aminoplast-faced board to steam</i>
SANS 6184:1992	<i>Textile floor coverings - Appearance retention (Vettermann drum test)</i>
SANS 6185:1992	<i>Textile floor coverings - Castor-wear test</i>
SANS 10373:1993	<i>Identification cards - Test methods</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.