

No. 181

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**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 1-2:2007	<i>Standards for standards – Part 2: Requirements for the recognition of Standards Development Organizations (SDOs) in South Africa.</i> Describes underlying principles for the recognition of Standards Development Organizations (SDOs) other than Standards South Africa (StanSA) in the preparation of national standards and other normative documents. StanSA still reserves the right to publish these documents according to its own style.
SANS 381:2007	<i>Standard test method for aluminium in water.</i> Covers the direct flame atomic absorption determination of aluminium in the nitrous oxide-acetylene flame. It is applicable to waters containing dissolved and total recoverable aluminium in the range 0,5 mg/L to 5,0 mg/L.
SANS 382:2007	<i>Standard test methods for iron in water.</i> Covers the determination of total iron, dissolved iron and ferrous iron in water using the following methods: Atomic absorption, direct: range 0,1 mg/L to 5,0 mg/L; Atomic absorption, graphite furnace: range 5 µg/L to 100 µg/L; and Photometric bathophenanthrolineu: range 40 µg/L to 1 000 µg/L.
SANS 383:2007	<i>Standard test methods for zinc in water.</i> Covers the determination of either dissolved or total recoverable zinc in water using the following two methods: Atomic absorption, direct: range 0,05 mg/L to 2,0 mg/L; and Atomic absorption, chelation-extraction: range 20 µg/L to 200 µg/L.
SANS 384:2007	<i>Standard test methods for lead in water.</i> Covers the determination of dissolved and total recoverable lead in water and waste water by atomic-absorption spectrophotometry and different pulse anodic stripping voltammetry, using the following four methods: Atomic absorption, direct: range 1,0 mg/L to 10 mg/L; Atomic absorption, chelation-extraction: range 100 µg/L to 1 000 µg/L; Differential pulse anodic stripping voltammetry: range 1 µg/L to 100 µg/L; and Atomic absorption, graphite furnace: range 5 µg/L to 100 µg/L.
SANS 626-2:2007/ ISO 1213-2:1992	<i>Solid mineral fuels – Vocabulary – Part 2: Terms relating to sampling, testing and analysis.</i> Defines 205 terms commonly employed in the sampling, testing and analysis of solid mineral fuels.
SANS 1748-3:2007	<i>Glass-fibre-reinforced thermosetting plastics (GRP) pipes – Part 3: Pipes, fittings and ancillaries for underground (buried) fire protection services.</i> Covers the design, manufacture, certification, transportation, installation and inspection of GRP pipes, fittings and ancillaries for use as underground (buried) fire protection services. It covers axially-restrained and unrestrained pipe systems.
SANS 3166-1:2007/ ISO 3166-1:2006	<i>Codes for the representation of names of countries and their subdivisions – Part 1: Country codes.</i> Is intended for use in any application requiring the expression of current country names in coded form; it also includes basic guidelines for its implementation and maintenance.
SANS 4374:2007	<i>Standard test methods for cyanides in water – Automated methods for total cyanide, weak acid dissociable cyanide, and thiocyanate.</i> Covers the determination of different species of cyanides and thiocyanate in water, waste water, sludges and sediments, namely weak acid dissociable cyanide, total cyanide, and thiocyanate.
SANS 7816-13:2007/ ISO/IEC 7816-13:2007	<i>Identification cards – Integrated circuit cards – Part 13: Commands for application management in a multi-application environment.</i> Specifies commands for application management in a multi-application environment. These commands cover the entire life cycle of applications in a multi-application integrated circuit card, and the commands can be used before and after the card is issued to the cardholder. Does not cover the implementation within the card and/or the outside world.
SANS 9796-3:2007/ ISO/IEC 9796-3:2006	<i>Information technology – Security techniques – Digital signature schemes giving message recovery – Part 3: Discrete logarithm based mechanisms.</i> Defines six digital signature schemes giving message recovery, and the security of these schemes is based on the difficulty of the discrete logarithm problem which is defined on a finite field or elliptic curve over a finite field. Also defines an optional control field in the hash-token which can provide added security to the signature.
SANS 11770-4:2007/ ISO/IEC 11770-4:2006	<i>Information technology – Security techniques – Key management – Part 4: Mechanisms based on weak secrets.</i> It specifies cryptographic techniques specifically designed to establish one or more secret keys based on a weak secret derived from a memorized password, while preventing off-line brute-force attacks associated with the weak secret.

Standard No. and year	Title, scope and purport
SANS 12902:2007/ ISO/TS 12902:2001	<i>Solid mineral fuels – Determination of total carbon, hydrogen and nitrogen – Instrumental methods.</i> Specifies the procedures to be followed when determining the mass fractions of total carbon (including that present as carbonates), total hydrogen (including that present as water) and nitrogen in hard coal, brown coal and lignite, and coke by instrumental methods.
SANS 18032:2007/ ISO/IEC 18032:2005	<i>Information technology – Security techniques – Prime number generation.</i> Defines methods for generating and testing prime numbers as required in cryptographic protocols and algorithms.
SANS 19795-2:2007/ ISO/IEC 19795-2:2007	<i>Information technology – Biometric performance testing and reporting – Part 2: Testing methodologies for technology and scenario evaluation.</i> Provides requirements and recommendations on data collection, analysis and reporting specific to two primary types of evaluation: technology evaluation and scenario evaluation. Specifies requirements in the development and full description of protocols for technology and scenario evaluations and execution and reporting of biometric evaluations reflective of the parameters associated with biometric evaluation types.
SANS 20060:2007/ ECE R60:1984	<i>Uniform provisions concerning the approval of two-wheeled motor cycles and mopeds with regard to driver-operated controls including the identification of controls, tell-tales and indicators.</i> Applies to vehicles of categories L1 and L3 with regard to driver operated controls.
SANS 24709-1:2007/ ISO/IEC 24709-1:2007	<i>Information technology – Conformance testing for the biometric application programming interface (BioAPI) – Part 1: Methods and procedures.</i> Specifies the concepts, framework, test methods and criteria required to test conformity of biometric products claiming conformance to BioAPI (ISO/IEC 19784-1) (ISO/IEC 19784-1 was published in South Africa as an identical adoption under the designation SANS 19784-1:2007). Guidelines for specifying BioAPI conformance test suites, writing test assertions and defining procedures to be followed during the conformance testing are provided.
SANS 24709-2:2007/ ISO/IEC 24709-1:2007	<i>Information technology – Conformance testing for the biometric application programming interface (BioAPI) – Part 2: Test assertions for biometric service providers.</i> Defines a number of test assertions written in the assertion language specified in ISO/IEC 24709-1 (published in South Africa as an identical adoption under the designation SANS 24709-1). These assertions enable a user of this standard (such as a testing laboratory) to test the conformance to ISO/IEC 19784-1 (published in South Africa as an identical adoption under the designation SANS 19784-1) (BioAPI 2.0) of any biometric service provider (BSP) that claims to be a conforming implementation of that International Standard. Each test assertion specified in this standard exercises one or more features of an implementation under test. Assertions are placed into packages (one or more assertions per package) as required by the assertion language. These assertions allow for testing conformance of BSPs of all conformance subclasses, and are further organized according to conformance subclasses and claimed support of optional features.
SANS 62271-300:2007/ IEC/TR 62271-300:2006	<i>High-voltage switchgear and controlgear – Part 300: Seismic qualification of alternating current circuit-breakers.</i> Applies only to circuit-breakers with their supporting structures which are rigidly connected with the ground, and does not cover the seismic qualification of circuit-breakers in metal enclosed switchgear.

## 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 47:2007 (Ed. 3.1)	<i>Coal-tar type disinfectant liquids (black and white). Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable" and referenced standards, to change information regarding the obtainability of test organisms and control cloths, to update legislative requirements regarding packing and marking, and to delete reference to the certification mark.
SANS 63:2007 (Ed. 5.1)	<i>Blankets. Consolidated edition incorporating amendment No. 1.</i> Amended to update the test methods for quantitative fibre analysis and colour fastness to washing.
SANS 174:1992/ ISO 1513:1992	<i>Paints and varnishes – Examination and preparation of samples for testing. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 216-1-4:2007/ CISPR 16-1-4:2007 (SANS 216-1-4:2006)	<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 228:2007 (SABS 228:2000)	<i>Absorbent cotton wool.</i> Specifies requirements for three grades of absorbent cotton wool.
SANS 388:2007 (Ed. 2.1)	<i>Commercial dextrose and liquid glucose. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 389:2007 (Ed. 2.1)	<i>Commercial lactose. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 420:2007 (Ed. 2.1)	<i>Canners' sucrose. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 514:2007 (Ed. 3.3)	<i>Immersion heaters for electric storage water heaters. Consolidated edition incorporating amendment No. 3.</i> Amended to delete a test on name plates.

Standard No. and year	Title, scope and purport
SANS 581:2007 (Ed. 3.2)	<i>Semi-flexible vinyl floor tiles. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, to remove reference to the standardization mark and to update the definition of "acceptable" and referenced standards.
SANS 708:2007 (Ed. 2.2)	<i>Refrigerated farm milk tanks. 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 remove reference to the standardization mark and to update the referenced standards.
SANS 713:2007 (Ed. 2.2)	<i>Unsaturated polyester (UP) resin systems. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable" and the referenced standards.
SANS 752:2007 (Ed. 2.5)	<i>Float valves. Consolidated edition incorporating amendment No. 5.</i> Amended to change a requirement for the inlet connection of a float valve.
SANS 753:2007 (Ed. 4.6)	<i>Pine poles, cross-arms and spacers for power distribution, telephone systems and street lighting. Consolidated edition incorporating amendment No. 6.</i> Amended to delete references to the certification mark, to include the requirement regarding cross-fractures in poles (4.4.13), and to correct the sequence of annexes.
SANS 754:2007 (Ed. 4.5)	<i>Eucalyptus poles, cross-arms and spacers for power distribution and telephone systems. Consolidated edition incorporating amendment No. 5.</i> Amended to delete references to the certification mark, to include a requirement regarding cross-fractures in poles (4.4.13), to update cross references, and to correct the sequence of annexes.
SANS 786:2007 (Ed. 3.2)	<i>Flexible vinyl flooring. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, to remove reference to the standardization mark and to update the definition of "acceptable" and referenced standards.
SANS 873:2007 (SABS 873:1970)	<i>Knitted tubular bandages.</i> Covers requirements for five types of knitted tubular bandages for use as supportive and protective surgical dressings.
SANS 877:2007 (SABS 877:2001)	<i>Woven cotton tapes.</i> Specifies requirements for seven types of woven cotton tape for industrial, hospital and general use.
SANS 902:2007 (SABS 902:1971)	<i>Hessian cloth.</i> Specifies performance and structural requirements for 17 types of hessian cloth made from bast and leaf fibres, or from mixtures of bast and leaf fibres.
SANS 947:2007 (Ed. 1.2)	<i>Indoor venetian blinds. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards and to update the definition of "acceptable".
SANS 988:2007 (Ed. 1.4)	<i>Braided reinforced rubber hose for air and water. Consolidated edition incorporating amendment No. 4.</i> Amended to change the designation of SABS standards to SANS standards and to update a referenced standard.
SANS 1010:2007 (Ed. 3.1)	<i>Bunting. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 1021:2007 (Ed. 3.1)	<i>Water taps (plastic bodies). Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update referenced standards and to add a note referencing annexes B and D.
SANS 1141:2007 (Ed. 1.3)	<i>Aircraft fuelling hose. Consolidated edition incorporating amendment No. 3.</i> Amended to change the designation of SABS standards to SANS standards and to update the definition of "acceptable" and referenced standards.
SANS 1144:2007 (SABS 1144:1977)	<i>Hydraulic trolley jacks.</i> Specifies requirements for the design, construction, performance and marking of hydraulic trolley jacks designed to raise vehicles. It does not include devices that raise entire vehicles.
SANS 1145:2007 (Ed. 2.1)	<i>Castor and icing sugars for household and confectionery use. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, and to delete reference to national legislation in the text.
SANS 1183:2007 (SABS 1183:1978)	<i>Nurses' woven uniform fabric (polyester-and-cotton).</i> Specifies requirements for two types of polyester-and-cotton fabric suitable for nurses' uniforms.
SANS 1219:2007 (Ed. 1.5)	<i>Hand hacksaw blades. Consolidated edition incorporating amendment No. 5.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable" and to update referenced standards.
SANS 1272:2007 (SABS 1272:2001)	<i>Military webbing.</i> This standard specifies requirements for five classes of woven cotton webbing for military use.
SANS 1307:2007 (Ed. 3.3)	<i>Domestic solar water heaters. Consolidated edition incorporating amendment No. 3.</i> Amended to introduce a new type of solar water heater.
SANS 1308:2007 (SABS 1308:2000)	<i>Plaster-of-Paris bandages.</i> Covers two types of plaster-of-Paris bandages (based on the structure of the base fabric) suitable for the immobilization and splinting of fractures and the construction of rest splints and body supports.
SANS 1316:2007 (Ed. 2.1)	<i>Cotton cellular blankets. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards and to replace the words "transfer cloths" with "adjacent fabrics" in table 1.
SANS 1351:2007 (SABS 1351:1982)	<i>Canvas tentage and tarpaulin webbing.</i> Specifies requirements for fourteen types of seam reinforcement webbing, one type of wall-support webbing and one type of wall-brace webbing, suitable for use in the manufacture of canvas tentage and tarpaulins.

Standard No. and year	Title, scope and purport
SANS 1493:2007 (Ed. 1.1)	<i>Electroless nickel-phosphorus plated coatings. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable", to delete reference to the standardization mark and to update the referenced standards.
SANS 1535:2007 (Ed. 2.3)	<i>Glass-reinforced polyester-coated steel tanks for the underground storage of hydrocarbons and oxygenated solvents and intended for burial horizontally. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards, to move reference to SAQCC and ASNT to the foreword, and to include more forms of E type or ECR type glass.
SANS 1626:2007 (Ed. 1.1)	<i>Electrodeposited coatings of silver and silver alloys for decorative and protective purposes. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable", to delete reference to the certification mark and to update the referenced standards.
SANS 1627:2007 (Ed. 1.1)	<i>Electrodeposited coatings of gold and gold alloys for decorative and protective purposes. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable", to delete reference to the certification mark and to update the referenced standards.
SANS 1700-5-5:2003/ ISO 2320:1997 (Ed. 1.1)	<i>Fasteners – Part 5: General requirements and mechanical properties – Section 5: Prevailing torque type steel hexagon nuts – Mechanical and performance properties. ISO corrigendum No. 1.</i> Corrected to change requirements for thread and prevailing torque for hexagon nuts and hexagon nuts with flange with fine pitch thread (table 9).
SANS 1736:2007 (Ed. 1.1)	<i>Safety helmets for cricket players. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards and to delete referenced standards.
SANS 1804-3:2007 (Ed. 1.1)	<i>Induction motors – Part 3: Low-voltage three-phase intermittently-rated wound-rotor motors. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to refer to a variation of not more than 10 % for standard voltage in a distribution system, to update referenced standards, and to delete reference to the certification mark.
SANS 2813:1994/ ISO 2813:1994	<i>Paints and varnishes – Determination of specular gloss of non-metallic paint films at 20°, 60° and 85°. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 3233:1998/ ISO 3233:1998	<i>Paints and varnishes – Determination of percentage volume of non-volatile matter by measuring the density of a dried coating. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 4065:1996/ ISO 4065:1996	<i>Thermoplastics pipes – Universal wall thickness table. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 4437:1997/ ISO 4437:1997	<i>Buried polyethylene (PE) pipes for the supply of gaseous fuels – Metric series – Specifications. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 4518:1980/ ISO 4518:1980	<i>Metallic coatings – Measurement of coating thickness – Profilometric method. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 4519:1980/ ISO 4519:1980	<i>Electrodeposited metallic coatings and related finishes – Sampling procedures for inspection by attributes. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 4520:1981/ ISO 4520:1981	<i>Chromate conversion coatings on electroplated zinc and cadmium coatings. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 4521:1985/ ISO 4521:1985	<i>Metallic coatings – Electrodeposited silver and silver alloy coatings for engineering purposes. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 4522-1:1985/ ISO 4522-1:1985	<i>Metallic coatings – Test methods for electrodeposited silver and silver alloy coatings – Part 1: Determination of coating thickness. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 4522-2:1985/ ISO 4522-2:1985	<i>Metallic coatings – Test methods for electrodeposited silver and silver alloy coatings – Part 2: Adhesion tests. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 4522-3:1988/ ISO 4522-3:1988	<i>Metallic coatings – Test methods for electrodeposited silver and silver alloy coatings – Part 3: Determination of the presence of residual salts. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 5197:2007 (SABS SM 197:1981)	<i>Water – Turbidity.</i> Specifies a method for the determination of the turbidity of any water sample that is free of debris and rapidly settling coarse sediments. It is based on a comparison of the intensity of light scattered by the sample with the intensity of light scattered by a reference standard.
SANS 5450:2007 (Ed.3.1)	<i>Colour fastness of buttons to washing. Consolidated edition incorporating amendment No. 1.</i> Amended to update the test methods for colour fastness to washing.
SANS 5515:2007 (SABS SM 515:1980)	<i>Flexing test on flexible cords.</i> Specifies a method for conducting the flexing test on flexible cords.
SANS 5516:2007 (SABS SM 516:1990)	<i>Kink resistance of circular flexible cords.</i> Describes a method for determining the kink resistance of circular flexible cords.
SANS 5987:2007 (Ed. 2.1)	<i>Depth of penetration of preservative and detection and depth of sapwood in timber. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards and to update referenced standards.

Standard No. and year	Title, scope and purport
SANS 6257:2007 (Ed. 2.1)	<i>Microbiological examination of canned meat and fish products. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, and to change the temperature required for autoclaving.
SANS 6284-4:2007 (SABS SM 1284-4:2000)	<i>Test methods for cross-linked polyethylene (XLPE) insulated electric cables – Part 4: Tests after installation.</i> Specifies methods for carrying out the phasing test, the voltage test on cable sheath, the conductor resistance test, the capacitance test, and the high-voltage test on the complete installation.
SANS 7752-2:2007/ ISO 7752-2:1985	<i>Lifting appliances – Controls – Layout and characteristics – Part 2: Basic arrangements and requirements for mobile cranes. ISO addendum No. 1.</i> Changes the title of section two and adds new clauses on crane with fixed length jib and crane with telescoping jib (clauses 8 and 9) after the title of section two.
SANS 10014:2006/ ISO 10014:2006	<i>Quality management – Guidelines for realizing financial and economic benefits. ISO corrigendum No. 1.</i> Corrected to correct "trend building" to read "team building" (figure 4), to delete two process steps from the diagram for continual improvement (figure 7), and to correct "Ppc" to read "Ppk" in the brief summaries of methods and tools (annex B).
SANS 10177-5:2007 (Ed. 1.2)	<i>Fire testing of materials, components and elements used in buildings – Part 5: Non-combustibility at 750 °C of building materials. Consolidated edition incorporating amendment No. 2.</i> Amended to change the minimum average duration of continuous flaming.
SANS 10177-10:2007 (Ed. 1.1)	<i>Fire testing of materials, components and elements used in buildings – Part 10: Surface burning characteristics of building materials using the inverted channel tunnel test. Consolidated edition incorporating amendment No. 1.</i> Amended to correct the value of fire exposure of the fire source and the location of the k-type thermocouples in the inverted channel tunnel.
SANS 10177-11:2007 (Ed. 1.1)	<i>Fire testing of materials, components and elements used in buildings – Part 11: Large-scale fire performance evaluation of building envelope thermal insulation systems (with or without sprinklers). Consolidated edition incorporating amendment No. 1.</i> Amended to align the terminology with that of SANS 428.
SANS 10208-2:2007 (SABS 0208-2:1995)	<i>Design of structures for the mining industry – Part 2: Sinking stages.</i> Defines the design loads and the design procedures to be adopted in the structural design of stages and components of stages.
SANS 10235:2007 (Ed. 2.1)	<i>Fibre-content labelling of textiles and textile products. Consolidated edition incorporating amendment No. 1.</i> Amended to update the test methods for quantitative fibre analysis.
SANS 10324:2007 (Ed. 1.1)	<i>Inspection and supplemental treatment of treated wood utility poles. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation from SABS to SANS and to change the definition of "acceptable".
SANS 12174:2007/ EN 12174:2006 (SABS EN 12174:2001)	<i>Chemicals used for treatment of water intended for human consumption – Sodium hexafluorosilicate.</i> Applicable to sodium hexafluorosilicate used for treatment of water intended for human consumption. Describes the characteristics of sodium hexafluorosilicate and specifies the requirements and the corresponding test methods for sodium hexafluorosilicate. Gives information on its use in water treatment and also determines the rules relating to the safe handling and use of sodium hexafluorosilicate.
SANS 12175:2007/ EN 12175:2006 (SABS EN 12175:2001)	<i>Chemicals used for treatment of water intended for human consumption – Hexafluorosilicic acid.</i> Applicable to hexafluorosilicic acid used for treatment of water intended for human consumption. Describes the characteristics of hexafluorosilicic acid and specifies the requirements and the corresponding test methods for hexafluorosilicic acid. Gives information on its use in water treatment and also determines the rules relating to the safe handling and use of hexafluorosilicic acid.
SANS 12207:1995/ ISO/IEC 12207:1995	<i>Information technology – Software life cycle processes. ISO/IEC amendment No. 2.</i> Amended to include the introduction in the foreword and to update the process purposes and outcomes, as reflected in Table E.1 and annex F.
SANS 14888-3:2007/ ISO/IEC 14888-3:2006 (SABS 14888-3:2003)	<i>Information technology – Security techniques – Digital signatures with appendix – Part 3: Discrete logarithm based mechanisms.</i> Defines the digital signature mechanisms with appendix whose security is based on the discrete logarithm problem; also provides a general description of a digital signature with appendix mechanism and a variety of mechanisms that provide digital signatures with appendix.
SANS 15408-1:2007/ ISO/IEC 15408-1:2005 (SANS 15408-1:2002)	<i>Information technology – Security techniques – Evaluation criteria for IT security – Part 1: Introduction and general model.</i> Defines the basis for evaluation of security properties of IT products and systems in two forms; the protection profile construct which allows creation of generalized reusable sets of these security requirements, and the security target which expresses the security requirements and specifies the security functions for a particular product or system to be evaluated.
SANS 15408-2:2007/ ISO/IEC 15408-2:2005 (SANS 15408-2:2002)	<i>Information technology – Security techniques – Evaluation criteria for IT security – Part 2: Security functional requirements.</i> Defines the security functional components, which are the basis for the Target of Evaluation (TOE) IT security functional requirements expressed in a Protection Profile (PP) or a Security Target (ST).
SANS 15408-3:2007/ ISO/IEC 15408-3:2005 (SANS 15408-3:2002)	<i>Information technology – Security techniques – Evaluation criteria for IT security – Part 3: Security assurance requirements.</i> Defines the assurance requirements of SANS 15408. It includes the evaluation assurance levels (EALs) that define a scale for measuring assurance, the individual assurance components from which the assurance levels are composed, and the criteria for evaluation of PPs and STs.
SANS 17025:2005/ ISO/IEC 17025:2005	<i>General requirements for the competence of testing and calibration laboratories. ISO/IEC corrigendum No. 1.</i> Corrected to replace the table that gives nominal cross-references to ISO 9001:2000 (published in South Africa as an identical adoption under the designation SANS 9001).

Standard No. and year	Title, scope and purport
SANS 20060:2007/ ECE R60:1984	<i>Uniform provisions concerning the approval of two-wheeled motor cycles and mopeds with regard to driver-operated controls including the identification of controls, tell-tales and indicators. ECE amendment No. 1. Amended to change additional information on numbers assigned to countries for rectification purposes, and to add text for gear selection control in the subclause on transmission (6.3). ECE amendment No. 2. Amended to change text for rear (wheel) brake in the subclause on brakes (6.2). ECE amendment No. 3. Amended to change the scope and a reference to a footnote in the clause on approval (clause 4).</i>
SANS 50295-1:1991/ EN 295-1:1991	<i>Vitrified clay pipes and fittings and pipe joints for drains and sewers – Part 1: Requirements. EN amendment No. 1. Amended to correct information in tables 10 and 11. EN amendment No. 2. Amended to change the tensile strength of propylene for sleeve couplings in table 8 and to update tables 10 and 11. EN amendment No. 3. Amended to update referenced standards, to correct cross references, to correct tables, to insert subclauses on airtightness and creep resistance of rigid fairing materials and to modify a subclause on joint interchangeability. National amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.</i>
SANS 50295-3:1991/ EN 295-3:1991	<i>Vitrified clay pipes and fittings and pipe joints for drains and sewers – Part 3: Test methods. EN amendment No. 1. Amended to update referenced standards, to modify wording in titles and clauses and to insert a new clause on creep resistance of rigid fairing materials. National amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.</i>
SANS 60034-5:2007/ IEC 60034-5:2006 (Ed. 2.1)	<i>Rotating electrical machines – Part 5: Degrees of protection provided by the integral design of rotating electrical machines (IP code) – Classification. Consolidated edition incorporating IEC amendment No. 1. Amended to modify the non-specified items in the scope and the test conditions for the first and second characteristic numerals.</i>
SANS 60072-3:1994/ IEC 60072-3:1994	<i>Dimensions and output series for rotating electrical machines – Part 3: Small built-in motors – Flange numbers BF10 to BF50. National amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.</i>
SANS 60079-4:1975/ IEC 60079-4:1975	<i>Electrical apparatus for explosive gas atmospheres – Part 4: Method of test for ignition temperature. National amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.</i>
SANS 60095-1:2007/ IEC 60095-1:2006 (SABS/IEC 60095-1:2000)	<i>Lead-acid starter batteries – Part 1: General requirements and methods of test. Applicable to lead-acid batteries with a nominal voltage of 12 V, used primarily as a power source for the starting of internal combustion engines, lighting and for auxiliary equipment of internal combustion engine vehicles. These batteries are commonly called "starter batteries".</i>
SANS 60168:2001/ IEC 60168:2001 (Ed. 1.2)	<i>Tests on indoor and outdoor post insulators of ceramic material or glass for systems with nominal voltages greater than 1 000 V. National amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.</i>
SANS 60335-2-53:2007/ IEC 60335-2-53:2007 (Ed. 3.1)	<i>Household and similar electrical appliances – Safety – Part 2-53: Particular requirements for sauna heating appliances. Consolidated edition incorporating amendment No. 1. Amended to correct the reference to the USA differences in the foreword; to include information on abnormal situations that can be expected in practice, the electromagnetic phenomena that can affect the safe operation of appliances and the usage of the standard in the introduction; to clarify what is covered or not covered by the standard in the scope; to add a definition and general notes on tests; to add requirements for classification, marking and instructions, heating, abnormal operation, construction, clearances, creepage distances and solid insulation.</i>
SANS 60335-2-54:2007/ IEC 600335-2-54:2007 (Ed. 3.2)	<i>Household and similar electrical appliances – Safety – Part 2-54: Particular requirements for surface-cleaning appliances for household use employing liquids or steam. Consolidated edition incorporating amendment No. 2. Amended to include information on the usage of the standard in the introduction, to clarify what is not covered by the standard in the scope, to delete a normative reference, to add a definition and general conditions for the tests, to add requirements for marking and instructions, heating, mechanical strength and construction, and to add references in the bibliography.</i>
SANS 60335-2-68:2007/ IEC 60335-2-68:2007 (Ed. 3.2)	<i>Household and similar electrical appliances – Safety – Part 2-68: Particular requirements for spray extraction appliances, for industrial and commercial use. Consolidated edition incorporating amendment No. 2. Amended to delete marking and instructions requirements, and to add requirements for components.</i>
SANS 60335-2-81:2007/ IEC 60335-2-81:2007 (Ed. 2.1)	<i>Household and similar electrical appliances – Safety – Part 2-81: Particular requirements for foot warmers and heating mats. Consolidated edition incorporating amendment No. 1. Amended to include information on abnormal situations that can be expected in practice, the electromagnetic phenomena that can affect the safe operation of appliances and the usage of the standard in the introduction; to clarify what is not covered by the standard in the scope; to add requirements for classification, marking and instructions and mechanical strength; to change requirements for the supply connection and external flexible cords; and to add a reference in the bibliography.</i>
SANS 60335-2-89:2007/ IEC 60335-2-89:2007 (Ed. 1.2)	<i>Household and similar electrical appliances – Safety – Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant condensing unit or compressor. Consolidated edition incorporating amendment No. 2. Amended to include information on the usage of the standard in the introduction; to clarify that additional requirements are specified by national authorities in the scope; to change normative references; to add general conditions on tests, to change requirements for classification, markings and instructions, heating, construction and components; to add guidance for the application of this standard to appliances used in warm damp equable climates in a new annex P.</i>
SANS 60383-2:1993/ IEC 60383-2:1993	<i>Insulators for overhead lines with a nominal voltage above 1 000 V – Part 2: Insulator strings and insulator sets for a.c. systems – Definitions, test methods and acceptance criteria. National amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.</i>
SANS 60384-1:1999/ IEC 60384-1:1999	<i>Fixed capacitors for use in electronic equipment – Part 1: Generic specification. National amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.</i>
SANS 60471:1977/ IEC 60471:1977	<i>Dimensions of clevis and tongue couplings of string insulator units. National amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.</i>

Standard No. and year	Title, scope and purport
SANS 60598-2-5:1998/ IEC 60598-2-5:1998	<i>Luminaires – Part 2-5: Particular requirements – Floodlights. IEC interpretation sheet.</i> Explains the use of a one sheet test sample. <i>National amendment No. 2.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60660:1999/ IEC 60660:1999	<i>Insulators – Tests on indoor post insulators of organic material for systems with nominal voltages greater than 1 000 V up to but not including 300 kV. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60720:1981/ IEC 60720:1981	<i>Characteristics of line post insulators. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60745-2-3:2007/ IEC 60745-2-3:2006 (SABS IEC 60745-2-3:1984)	<i>Hand-held motor-operated electric tools – Safety – Part 2-3: Particular requirements for grinders, polishers and disk-type sanders.</i> Applies to grinders, with a rated speed not exceeding a peripheral speed of the accessory of 80 m/s at rated capacity; polishers and disk-type sanders, including angle, straight and vertical. It also applies to tools with a rated capacity not exceeding 230 mm. It does not apply to random-orbit polishers and random-orbit sanders.
SANS 60745-2-4:2007/ IEC 60745-2-4:2006 (SABS IEC 60745-2-4:1983)	<i>Hand-held motor-operated electric tools – Safety – Part 2-4: Particular requirements for sanders and polishers other than disk type.</i> Applies to sanders with the exception of all types of disk-type sanders, which are covered by IEC 60745-2-3 (published in South Africa as an identical adoption under the designation SANS 60745-2-3).
SANS 61000-4-2:2001/ IEC 61000-4-2:2001 (Ed. 1.2)	<i>Electromagnetic compatibility (EMC) – Part 4-2: Testing and measurement techniques – Electrostatic discharge immunity test. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 61000-4-20:2007/ IEC 61000-4-20:2007 (Ed. 1.1)	<i>Electromagnetic compatibility (EMC) – Part 4-20: Testing and measurement techniques – Emission and immunity testing in transverse electromagnetic (TEM) waveguides. Consolidated edition incorporating amendment No. 1.</i> Amended to remove IEC 61000-4-3 as a normative reference, resulting in this standard providing only a general basic reference with regard to product testing.
SANS 61000-5-2:1997/ IEC/TR 61000-5-2:1997	<i>Electromagnetic compatibility (EMC) – Part 5: Installation and mitigation guidelines – Section 2: Earthing and cabling. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 61010-2-010:2007/ IEC 61010-2-010:2005 (SABS IEC 61010-2-010:1992)	<i>Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-010: Particular requirements for laboratory equipment for the heating of materials.</i> Applies to electrically powered laboratory equipment for the heating of materials, where the heating of materials is the only function or is one of several functions of the equipment.
SANS 61010-2-020:2007/ IEC 61010-2-020:2006 (SABS IEC 61010-2-020:1992)	<i>Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-020: Particular requirements for laboratory centrifuges.</i> Applicable to electrically powered laboratory centrifuges.
SANS 61029-2-4:1993/ IEC 61029-2-4:1993	<i>Safety of transportable motor-operated electric tools – Part 2-4: Particular requirements for bench grinders. National amendment No. 2.</i> Amended to change the designation from SABS to SANS, and to delete reference to the certification mark scheme.
SANS 61466-1:1997/ IEC 61466-1:1997	<i>Composite string insulator units for overhead lines with a nominal voltage greater than 1 000 V – Part 1: Standard strength classes and end fittings. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 61558-2-1:2007/ IEC 61558-2-1:2007 (SABS IEC 61558-2-1:1997)	<i>Safety of power transformers, power supplies, reactors and similar products – Part 2-1: Particular requirements and tests for separating transformers and power supplies incorporating separating transformers for general applications.</i> Deals with safety aspects of separating transformers and power supplies incorporating separating transformers such as electrical, thermal and mechanical safety.
SANS 61558-2-2:2007/ IEC 61558-2-2:2007 (SABS IEC 61558-2-2:1997)	<i>Safety of power transformers, power supplies, reactors and similar products – Part 2-2: Particular requirements and tests for control transformers and power supplies incorporating control transformers.</i> Deals with safety aspects of control transformers and power supplies incorporating control transformers such as electrical, thermal and mechanical safety.
SANS 61558-2-7:2007/ IEC 61558-2-7:2007 (SABS IEC 61558-2-7:1997)	<i>Safety of power transformers, power supplies, reactors and similar products – Part 2-7: Particular requirements and tests for transformers and power supplies for toys.</i> Deals with safety aspects of transformers for toys and power supplies incorporating transformers for toys such as electrical, thermal and mechanical safety.
SANS 61558-2-17:1997/ IEC 61558-2-17:1997	<i>Safety of power transformers, power supply units and similar – Part 2-17: Particular requirements for transformers for switch mode power supplies. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 61558-2-20:2000/ IEC 61558-2-20:2000	<i>Safety of power transformers, power supply units and similar devices – Part 2-20: Particular requirements for small reactors. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 61558-2-23:2000/ IEC 61558-2-23:2000	<i>Safety of power transformers, power supply units and similar devices – Part 2-23: Particular requirements for transformers for construction sites. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 300127:1999/ EN 300127:1999	<i>Electromagnetic compatibility and Radio spectrum Matters (ERM) – Radiated emission testing of physically large telecommunication systems. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 300339:1998/ ETSI EN 300339:1998	<i>Electromagnetic compatibility and Radio spectrum Matters (ERM) – General ElectroMagnetic Compatibility (EMC) for radio communications equipment. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.

**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 166:1975	<i>Resistance to salt fog of paint films.</i>
SANS 170:1977	<i>Inflatable life-jackets.</i>
SANS 173:1991	<i>Paints and varnishes – Sampling of products in liquid or paste form.</i>
SANS 684:1972	<i>Structural steel paint.</i>
SANS 1591:1993	<i>Automotive glass adhesive/sealant for the installation of original and replacement glass by the direct glazing method.</i>
SANS 5050:1975	<i>Density of paints.</i>
SANS 5120:1978	<i>Leaving properties of aluminium paint.</i>
SANS 5121:1979	<i>Water covering capacity of aluminium pigment for paint.</i>
SANS 5147:1975	<i>Resistance to scratching of paint films.</i>
SANS 5154:1975	<i>Colour of paint films by visual comparison.</i>
SANS 5159:1975	<i>Adhesion of paint and varnish films (cross-cut test).</i>
SANS 5500:1980	<i>Heat shock (residual strain) test on extruded PVC.</i>
SANS 5501:1980	<i>Cold bend test on extruded PVC.</i>
SANS 5503:1980	<i>Preparation of test pieces for tensile tests on cable dielectric and sheathing, and tear tests on rubber sheathing.</i>
SANS 5507:1980	<i>Accelerated aging of cable dielectric and sheathing by the air oven method.</i>
SANS 5508:1980	<i>Accelerated aging of rubber cable dielectric and sheathing by the oxygen pressure chamber method.</i>
SANS 5510:1990	<i>Loss of mass on heating: Extruded PVC dielectric and sheathing.</i>
SANS 5512:1990	<i>Oil resistance for dielectric and sheathing of power cables.</i>
SANS 10258:1988	<i>Additional quality vocabulary.</i>
SANS 17799-2:2003	<i>Information security management systems – Part 2: Specification with guidance for use.</i>
SANS 50091-1:1993	<i>Uninterruptable power systems (UPS) – Part 1: General and safety requirements.</i>
SANS 50091-2:1995	<i>Uninterruptable power systems (UPS) – Part 2: EMC requirements.</i>
SANS 60269-2-1:2005	<i>Low-voltage fuses – Part 2-1: Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application) – Section 1 to VI: Examples of types of standardized fuses.</i>
SANS 60269-3-1:2005	<i>Low-voltage fuses – Part 3-1: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household and similar applications) – Sections 1 to IV: Examples of types of standardized fuses.</i>
SANS 60269-4-1:2006	<i>Low-voltage fuses – Part 4-1: Supplementary requirements for fuse-links for the protection of semiconductor devices – Sections 1 to III: Examples of types of standardized fuse-links.</i>
SANS 61024-1:1990	<i>Protection of structures against lightning – Part 1: General principles.</i>
SANS 61024-1-1:1993	<i>Protection of structures against lightning – Part 1: General principles – Section 1: Guide A – Selection of protection levels for lightning protection systems.</i>
SANS 61024-1-2:1998	<i>Protection of structures against lightning – Part 1-2: General principles – Guide B – Design, installation, maintenance and inspection of lightning protection systems.</i>
SANS 61312-1:1995	<i>Protection against lightning electromagnetic impulse – Part 1: General principles.</i>
SANS 61312-2:1999	<i>Protection against lightning electromagnetic impulse (LEMP) – Part 2: Shielding of structures, bonding inside structures and earthing.</i>
SANS 61312-4:1998	<i>Protection against lightning electromagnetic impulse – Part 4: Protection of equipment in existing structures.</i>



SANS 61662:1995

*Assessment of the risk of damage due to lightning.***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, 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.