

**DEPARTMENT OF TRADE AND INDUSTRY
DEPARTEMENT VAN HANDEL EN NYWERHEID**

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A A I I 4 , 1993
A A F D TERS

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 411:2006	<i>Coal and coke – Analysis and testing – Determination of trace elements – Determination of arsenic, antimony and selenium – Hydride generation method.</i> Sets out a method for the determination of arsenic, antimony and selenium in higher rank coal and coke by hydride generation.
SANS 412:2006	<i>Coal and coke – Analysis and testing – Determination of trace elements – Determination of boron content – ICP-AES method.</i> Sets out a method for the determination of boron in higher rank coal and coke using an inductively-coupled plasma atomic emission spectrometer (ICP-AES) after ashing of the coal or coke in the presence of Eschka mixture.
SANS 1515-2:2006	<i>Gas measuring equipment primarily for use in mines – Part 2: Fixed, transportable, and vehicle-mounted flammable gas measuring and warning sensor heads and instruments.</i> Covers the requirements for the design, construction, safety and performance of fixed, transportable, and vehicle-mounted sensor heads and instruments for the routine detection and measurement of flammable gases in air by electrical and electronic means and that are intended primarily for use in mines.
SANS 3834-5:2006/ ISO 3834-5:2005	<i>Quality requirements for fusion welding of metallic materials – Part 5: Documents with which it is necessary to conform to claim conformity to the quality requirements of ISO 3834-2, ISO 3834-3 or ISO 3834-4.</i> Specifies the documents with which it is necessary to conform to claim conformity to the quality requirements of ISO 3834-2, ISO 3834-3 or ISO 3834-4.
SANS 7875-1:2006/ ISO 7875-1:1996	<i>Water quality – Determination of surfactants – Part 1: Determination of anionic surfactants by measurement of the methylene blue index (MBAS).</i> Specifies a spectrometric method for the determination of anionic surfactants by measurement of the methylene blue index (MBAS) in aqueous media in drinking water, surface water as well as waste water. This method is applicable to a range of concentrations from 0,1 mg/L to 5,0 mg/L.
SANS 10086-2:2006	<i>The installation, inspection and maintenance of equipment used in explosive atmospheres – Part 2: Electrical apparatus installed underground in mines.</i> Covers the installation, inspection and maintenance of electrical apparatus used underground in mining applications where atmospheres might be explosive owing to the presence of gases and dusts that are flammable in the presence of atmospheric oxygen. It does not cover the risks arising from the toxicity of flammable substances or their reaction products, nor does it cover explosives.
SANS 10187-1:2006	<i>Load securement on vehicles – Part 1: General requirements.</i> Specifies the safety problems and basic precautions relating to the securing of load on vehicles.
SANS 10187-2:2006	<i>Load securement on vehicles – Part 2: General freight.</i> Covers the safe securement and loading of general freight on vehicles.
SANS 10187-3:2006	<i>Load securement on vehicles – Part 3: Metal loads.</i> Covers the safe securement and loading of metal loads on vehicles.
SANS 10187-4:2006	<i>Load securement on vehicles – Part 4: Timber and sugar cane.</i> Covers the safe securement and loading of timber and sugar cane loads on vehicles.
SANS 10187-5:2006	<i>Load securement on vehicles – Part 5: Loose bulk loads.</i> Covers the safe securement and loading on vehicles of loose bulk loads.
SANS 10187-6:2006	<i>Load securement on vehicles – Part 6: Containers.</i> Covers the safe securement and loading of containers on vehicles.
SANS 10187-7:2006	<i>Load securement on vehicles – Part 7: Abnormal loads.</i> Covers the safe securement and loading on vehicles of abnormal loads.
SANS 10187-8:2006	<i>Load securement on vehicles – Part 8: Dangerous goods.</i> Covers the safe securement and loading of dangerous goods on vehicles.
SANS 10187-9:2006	<i>Load securement on vehicles – Part 9: Glass sheeting.</i> Covers the safe securement and loading of glass sheeting on vehicles.

Standard No. and year	
SANS 10566:2006/ ISO 10566:1994	Water quality – Determination of aluminium – Spectrometric method using pyrocatechol violet. Specifies a method for the determination of filterable (dissolved) and acid-soluble aluminium in potable waters, ground waters, and lightly polluted surface
SANS 11623:2006/ ISO 11623:2002	
SANS 12142:2006/ ISO 12142:2001	
SANS 12653-1:2006/ ISO 12653-1:2000	
SANS 12653-2:2006/ ISO 12653-2:2000	
SANS 14969:2006/ ISO/TR 14969:2004	
SANS 19005-1:2006/ ISO 19005-1:2005	to documents containing combinations of character, raster and vector data.
SANS 20252:2006/ ISO 20252:2006	Market, opinion and social research – Vocabulary and service requirements. Establishes the terms and definitions as well as the service requirements for organizations and professionals conducting market, opinion and social research.
SANS 22310:2006/ ISO 22310:2006	Information and documentation – Guidelines for standards drafters for slating records management requirements in standards. Allows the appropriate incorporation of records requirements, according to SANS 15489-1, SANS 15489-2 and SANS 23081-1, which are applicable to all standards that require the creation and retention of records, into other standards. It also highlights the different elements that need to be considered as components of a comprehensive records management framework.
SANS 51008:2006/ EN 1008:2002	Mining water for concrete – Specification for sampling, testing and assessing the suitability of water, including water recovered from processes in the concrete industry, as mining water for concrete. Specifies the requirements for water that is suitable for making concrete that conforms to EN 206-1 and describes methods for assessing its suitability.
SANS 60060-3:2006/ IEC 60060-3:2006	High-voltage test techniques – Part 3: Definitions and requirements for on-site testing. Identifies the requirements for on-site test voltages and in-service testing of high-voltage equipment with a highest voltage U_m greater than 1 kV. Tests are applicable to direct voltage; alternating voltage; lightning impulse voltage of aperiodic or oscillating shape and switching impulse voltage of aperiodic or oscillating shape. For special tests the following voltages are used : very low frequency voltage; damped alternating voltage.
SANS 60076-13:2006/ IEC 60076-13:2006	Power transformers – Part 13: Self-protected liquid-filled transformers. Applies to high-voltage/low-voltage self-protected liquid-filled and naturally cooled transformers for rated power 50 kVA to 1 000 kVA for indoor or outdoor use that have a primary winding (high-voltage) with highest voltage for equipment up to 24 kV, and a secondary winding (low-voltage) with highest voltage for equipment of 1,1 kV.
SANS 60598-2-11:2006/ IEC 60598-2-11:2005	Luminaires – Part 2-11: Particular requirements – Aquarium luminaires. Specifies requirements for household aquarium luminaires for use with tungsten filament, tubular fluorescent or other discharge lamps on supply voltages not exceeding 1 000 V.
SANS 60598-2-12:2006/ IEC 60598-2-12:2006	Luminaires – Part 2-12: Particular requirements – Mains socket-outlet mounted nightlights. Specifies requirements for mains socket-outlet mounted nightlights for use with electric light sources , on supply voltages not exceeding 250 V a.c. 50/60 Hz . It is to be read in conjunction with those sections of Part 1 to which reference is made.
SANS 60670-23:2006/ IEC 60670-23:2006	Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 23: Particular requirements for floor boxes and enclosures. Applies to boxes and enclosures for electrical accessories with a rated voltage not exceeding 1 000 V a.c. and 1 500 V d.c. intended to be installed in any kind of floor, and to protect accessories against load up to and including 1 000 N.
SANS 60745-2-19:2006/ IEC 60745-2-19:2005	Hand-held motor-operated electric tools – Safety – Part 2-19: Particular requirements for jointers. Applies to jointers for cutting into wood or similar material
SANS 60794-2-10:2006/ IEC 60794-2-10:2003	Optical fibre cables – Part 2-10: Indoor cables – Family specification for simplex and duplex cables. Covers simplex and duplex optical fibre cables for indoor use .

Standard No. and year	Title, scope and purport
SANS 60794-2-11:2006/ IEC 60794-2-11:2005	<i>Optical fibre cables – Part 2-11: Indoor cables – Detailed specification for simplex and duplex cables for use in premises cabling.</i> Presents the detailed requirements specific to simplex and duplex cables for use in premises cabling, to ensure compatibility with SANS 11801.
SANS 60794-2-20:2006/ IEC 60794-2-20:2003	<i>Optical fibre cables – Part 2-20: Indoor cables – Family specification for multi-fibre optical distribution cables.</i> Covers multi-fibre optical distribution cables for indoor use.
SANS 60794-2-21:2006/ IEC 60794-2-21:2005	<i>Optical fibre cables – Part 2-21: Indoor cables – Detailed specification for multi-fibre optical distribution cables for use in premises cabling.</i> Presents the detailed requirements specific to multi-fibre optical distribution cables for use in premises cabling, to ensure compatibility with SANS 11801.
SANS 60794-2-30:2006/ IEC 60794-2-30:2003	<i>Optical fibre cables – Part 2-30: Indoor cables – Family specification for optical fibre ribbon cables.</i> Covers optical fibre ribbon cables for indoor use.
SANS 60794-2-31:2006/ IEC 60794-2-31:2005	<i>Optical fibre cables – Part 2-31: Indoor cables – Detailed specification for optical fibre ribbon cables for use in premises cabling.</i> Presents the detailed requirements specific to optical fibre ribbon cables for use in premises cabling, to ensure compatibility with SANS 11801.
SANS 60794-2-40:2006/ IEC 60794-2-40:2003	<i>Optical fibre cables – Part 2-40: Indoor cables – Family specification for simplex and duplex cables with buffered A4 fibres.</i> Covers simplex and duplex cables with buffered A4 fibres for indoor use.
SANS 60794-3-12:2006/ IEC 60794-3-12:2005	<i>Optical fibre cables – Part 3-12: Outdoor cables – Detailed specification for duct and directly buried optical telecommunication cables for use in premises cabling.</i> Presents the detailed requirements specific to duct and directly buried optical telecommunication cables for use in premises cabling to ensure compatibility with ISO 11801.
SANS 60794-3-21:2006/ IEC 60794-3-21:2005	<i>Optical fibre cables – Part 3-21: Outdoor cables – Detailed specification for optical self-supporting aerial telecommunication cables for use in premises cabling.</i> Presents the detailed requirements specific to optical self-supporting telecommunication cables for use in premises cabling, to ensure compatibility with SANS 11801.
SANS 60838-1:2006/ IEC 60838-1:2004	<i>Miscellaneous lampholders – Part 1: General requirements and tests.</i> Applies to lampholders of miscellaneous types intended for building-in (to be used with general purpose light sources, projection lamps, floodlighting lamps and street-lighting lamps with caps) and the methods of test to be used in determining the safe use of lamps in lampholders.
SANS 60838-2-2:2006/ IEC 60838-2-2:2006	<i>Miscellaneous lampholders – Part 2-2: Particular requirements – Connectors for LED-modules.</i> Applies to connectors for building-in (including those used for interconnection between LED modules) of miscellaneous types to be used with PCB-based LED modules.
SANS 60865-1:2006/ IEC 60865-1:1993	<i>Short-circuit currents – Calculation of effects – Part 1: Definitions and calculation methods.</i> Is applicable to the mechanical and thermal effects of short-circuit currents. Contains standardized procedures for the calculation of the effects of the short circuit currents in two sections: the electromagnetic effect on rigid conductors and flexible conductors; and the thermal effect on bare conductors and electrical equipment. Only a.c. systems for rated voltages up to and including 420 kV are dealt with.
SANS 60900:2006/ IEC 60900:2004	<i>Live working – Hand tools for use up to 1 000 V a.c. and 1 500 V d.c.</i> Applies to insulated and insulating hand tools used for working live or close to live parts at nominal voltages up to 1 000 V a.c. and 1 500 V d.c.
SANS 61117:2006/ IEC 61117:1992	<i>A method for assessing the short-circuit withstand strength of partially type-tested assemblies (PTTA).</i> Describes an extrapolation method for assessing the short-circuit withstand strength of partially type-tested assemblies (PTTA).
SANS 62231:2006/ IEC 62231:2006	<i>Composite station post insulators for substations with a.c. voltages greater than 1000 V up to 245 kV – Definitions, test methods and acceptance criteria.</i> Defines the terms used, and prescribes test methods and acceptance criteria for composite station post insulators of a load bearing cylindrical insulating solid core type intended for use in substations with a.c. voltages greater than 1 000 V up to 245 kV.
SANS 62271-107:2006/ IEC 62271-107:2005	<i>High-voltage switchgear and controlgear – Part 107: Alternating current fused circuit-breakers for rated voltages above 1 kV up to and including 52 kV.</i> Applies to three-pole operated a.c. circuit-breakers incorporating current-limiting fuses designed to be capable of: breaking, at the rated recovery voltage, any load or fault current up to and including the rated short-circuit breaking current; making, at the rated voltage, circuit to which the rated short-circuit breaking current applies, with rated operating voltages above 1 kV up to and including 52 kV for use on three-phase a.c. distribution systems of either 50 Hz or 60 Hz, and applications requiring only normal mechanical and electrical endurance capability mainly for protection of HV/LV transformers.
SANS 62310-2:2006/ IEC 62310-2:2006	<i>Static transfer systems (STS) – Part 2: Electromagnetic compatibility (EMC) requirements.</i> Applies to free standing operation a.c. static transfer systems (STS) intended to ensure the continuity of load supply through controlled transfer, with or without interruption of power, from two or more independent a.c. sources. Applies to systems up to 1 000 V a.c. that are intended to be used in single-phase, phase-phase or three-phase applications.
SANS 101952-1-1:2006/ ETSI TS 101952-1-1:2004	<i>Access network xDSL transmission filters – Part 1: ADSL splitters for European deployment – Sub-part 1: Generic specification of the low pass part of DSL over POTS splitters including dedicated annexes for specific xDSL variants.</i> Specifies requirements and test methods for the low pass part of DSL over POTS splitters.
SANS 101952-1-2:2006/ ETSI TS 101952-1-2:2002	<i>Access network xDSL transmission filters – Part 1: ADSL splitters for European deployment – Sub-part 2: Specification of the high pass part of ADSL/POTS splitters.</i> Specifies requirements and test methods for the high pass part of ADSL/POTS splitters.
SANS 101952-1-3:2006/ ETSI TS 101952-1-3:2002	<i>Access network xDSL transmission filters – Part 1: ADSL splitters for European deployment – Sub-part 3: Specification of ADSL/ISDN splitters.</i> Specifies requirements and test methods for ADSL/ISDN splitters.

Standard No. and year	Title, scope and purport
SANS 101952-1-4:2006/ ETSI TS 101952-1-4:2002	<i>Access network xDSL transmission filters – Part 1: ADSL splitters for European deployment – Sub-part 4: Specification of ADSL over "ISDN or POTS" universal splitters.</i> Specifies requirements and test methods for ADSL over "ISDN or POTS" universal splitters.
SANS 101952-1-5:2006/ ETSI TS 101952-1-5:2003	<i>Access network xDSL transmission filters – Part 1: ADSL splitters for European deployment – Sub-part 5: Specification for ADSL over POTS distributed filters.</i> Specifies requirements and test methods for "ADSL over POTS" distributed filters.

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 123:1981/ ISO 865:1981	<i>Slots in platens for projection welding machines. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 153:2006 (Ed. 4.8)	<i>Electric stoves, cooking tops, ovens, grills, and similar appliances. Consolidated edition incorporating amendment No. 8.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable", to recommend English as the language for marking (when words are used), and to update referenced standards.
SANS 160:2006 (Ed. 3.4)	<i>Electric room heaters. Consolidated edition incorporating amendment No. 4.</i> Amended to change the designation of SABS standards to SANS standards, to delete reference to the SABS certification mark, to update the definition of "acceptable", and to update a referenced standard.
SANS 194:2006 (SABS SM 826:1988)	<i>Pesticides: Foaming of wettable powders and suspension concentrates.</i> Specifies a method for the determination of the foaming of wettable pesticidal powders and suspension concentrates.
SANS 195:2006 (Ed. 2.1)	<i>Sampling of aggregates. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 197:2006 (Ed. 2.1)	<i>Preparation of test samples of aggregates. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 211:2004/ CISPR 11:2004 (Ed. 3.1)	<i>Industrial, scientific and medical (ISM) radio frequency equipment – Electromagnetic disturbance characteristics – Limits and methods of measurement. CISPR amendment No. 2.</i> Amended to add a normative reference, to replace table 2c, to replace text to specify certain measurement requirements, and to add two subclauses on the recording of test-site measurement results and the assessment of conformity of equipment.
SANS 213:2006/ CISPR 13:2006 (Ed. 3.2)	<i>Sound and television broadcast receivers and associated equipment – Radio disturbance characteristics – Limits and methods of measurement. Consolidated edition incorporating amendment No. 2.</i> Amended to add a normative reference and new text relating to the measuring procedure, remove references in figure A.1, indicate a frequency adjustment as appropriate for the equipment under test in the example of an isolation transformer, and change a frequency for satellite TV in Europe.
SANS 216-1-1:2006/ CISPR 16-1-1:2006	<i>Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-1: Radio disturbance and immunity measuring apparatus – Measuring apparatus.</i> Is designated a basic standard, which 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.
SANS 216-1-3:2005/ CISPR 16-1-3:2004	<i>Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-3: Radio disturbance and immunity measuring apparatus – Ancillary equipment – Disturbance power. CISPR corrigendum No. 1.</i> Changed to correct an equation and a figure relating to the decoupling factor DF.
SANS 443:2006 (SABS 443:1992)	<i>White open-wove bandages.</i> Covers five types of white open-wove bandages suitable for surgical dressings.
SANS 680:2006 (SABS 680:1979)	<i>Glazing putty for wooden and metal window frames.</i> Covers two types of putty for the glazing of window frames.
SANS 693:1982/ ISO 693:1982	<i>Dimensions of seam welding wheel blanks. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 731-2:2006 (Ed. 1.1)	<i>Road markings – Part 2: Single-pack water-borne paints. Consolidated edition incorporating amendment No. 1.</i> Amended to remove reference to runways, to update references and to change the reference colours for yellow and red road-marking paint to colours from BS 381C.
SANS 755:2006 (Ed. 2.2)	<i>Mineral-insulated metal-sheathed air-heating units for appliances. 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 a reference to the SABS as the inspection and testing authority, and to update a referenced standard.
SANS 925:2006 (Ed. 3.2)	<i>Orthopaedic tubular knitted fabric. 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 930:2006 (SABS 930:2001)	<i>Processed cotton duck (560 g).</i> Covers the requirements for one type of processed cotton duck, rated as type 560 of SANS 495:2005, suitable for use as tent material.

Standard No. and year	Title, scope and purport
SANS 945-1:2006 (Ed. 2.4)	<i>Support and compression bandages – Part 1: Woven crepe bandages. Consolidated edition incorporating amendment No. 4.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable", and to delete reference to the use of official languages in the requirement for marking on wrappings and packages.
SANS 962-2:2006 (Ed. 2.1)	<i>Mechanical fasteners for conveyor belts – Part 2: Hinged type and plate-and-rivet type fasteners. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards and the definition of "acceptable", and to change the designation of SABS standards to SANS standards.
SANS 1022:2006 (SABS 1022:2000)	<i>Metal roofing tiles.</i> Covers the requirements for metal roofing tiles supplied in the form of carbon steel sheets or aluminium alloy sheets, and for trim sections designed for use in conjunction with tile units of the same material and of appropriate profile.
SANS 1173:2006 (Ed. 2.1)	<i>General purpose textile-reinforced conveyor belting. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards, to correct the cross-referencing, to include type C belting and delete reference to type X belting, to delete reference to PVC in 4.4.1 and table 3, to clarify the title of table 5, and include reference to transverse directional cutting in 6.4.2, and to delete referenced standards from the bibliography.
SANS 1194:2006 (SABS 1194:2003)	<i>Nylon tubing for air-brake applications.</i> Covers requirements for two types of nylon tubing as used in the motor industry in assemblies that convey air to operate pneumatic braking systems.
SANS 1263-1:2006 (Ed. 3.1)	<i>Safety and security glazing materials for buildings – Part 1: Safety performance of glazing materials under human impact. Consolidated edition incorporating amendment No. 1.</i> Amended to change the scope to delete the restriction that coatings may only be applied by the manufacturer.
SANS 1306-1:2006/ ISO 228-1:2000 (SABS 1306-1:1990)	<i>Pipe threads where pressure-tight joints are not made on the threads – Part 1: Dimensions, tolerances and designation.</i> Covers threads intended for the mechanical assembly of the component parts of fittings, cocks, valves and accessories.
SANS 1306-2:1990/ ISO 228-2:1987	<i>Pipe threads where pressure-tight joints are not made on the threads – Part 2: Verification by means of limit gauges. National amendment No. 1.</i> Amended to change the designation from SABS to SANS and to publish part 1 and part 2 as separate documents.
SANS 1384:2006 (SABS 1384:1984)	<i>Plastics containers for parenteral solutions.</i> Cover the requirements for plastics containers (rigid, semi-rigid and collapsible) for aqueous solutions for intravenous infusion. It does not cover containers for blood and its components.
SANS 1406:2006 (SABS 1406:1999)	<i>Commercial refrigerated food display cabinets.</i> Specifies requirements for three types and two climate classes of commercial refrigerated display cabinets for the storage of frozen and fresh foods, and liquids in containers that are for sale, and intended for operation on a three-phase 440 V power supply or on a single-phase power supply not exceeding 250 V phase to neutral.
SANS 1411-2:2006 (Ed. 2.1)	<i>Materials of insulated electric cables and flexible cords – Part 2: Polyvinyl chloride (PVC). Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 1422:2006 (SABS 1422:1987)	<i>Domestic electric laundry treatment machines.</i> Covers domestic electric washing machines, spin driers, tumble driers, and machines that perform more than one of these functions, intended for operation at voltages not exceeding 250 V to earth. Includes washing machines that have automatic, semiautomatic or manual control and that can be fitted with accessories such as heaters, pumps, electrically operated or hand-operated wringers and spin driers.
SANS 1502:2006 (Ed. 2.3)	<i>Microwave cooking appliances for domestic use. Consolidated edition incorporating amendment No. 3.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable" and the publication details of the referenced compulsory specification.
SANS 1515-1:2006 (Ed. 2.1)	<i>Gas measuring equipment primarily for use in mines – Part 1: Battery-operated portable, flammable gas measuring instruments and warning devices. Consolidated edition incorporating amendment No. 1.</i> Amended to change the title, to update referenced standards, to remove reference to legislation from the text, to change the safety and marking requirements, and to delete reference to the SABS mark.
SANS 1539:2006 (Ed. 4.1)	<i>Appliances operating on liquefied petroleum gas – Safety aspects. Consolidated edition incorporating amendment No. 1.</i> Amended to add a definition for combustion circuit and to change the numbering accordingly, to move reference to legislation to the foreword, to align the water heater requirements with new technology, to correct the formula for mercurous nitrate solution, and to include a new test method for the testing of components incorporated in the water heater.
SANS 1543:2006 (Ed. 2.1)	<i>Escalators and passenger conveyors. Consolidated edition incorporating amendment No. 1.</i> Amended to modify the annex on comprehensive report for escalators and passenger conveyors (annex B).
SANS 1545-2:2006 (Ed. 3.2)	<i>Safety rules for the construction and installation of lifts – Part 2: Hydraulic lifts. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards, to change the items on conclusions (item 21) and declaration (item 22) in the annex on forms for hydraulic lifts (annex A); and to delete a note to, and to change the items on premises (item 1), condition of lift (item 4) and declaration (item 6) in the annex on comprehensive report for hydraulic lifts (annex B).
SANS 1581:2006 (Ed. 1.2)	<i>Erasers made from plasticized PVC. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards, the definition of "acceptable", to include a reference to ASTM E 1347 for the reflectance meter and to delete reference to the SABS.
SANS 1584-3:2006 (Ed. 1.1)	<i>Television transmissions – Part 3: NICAM transmissions. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 1588:2006 (Ed. 1.1)	<i>Shatter-resistant plastics rulers. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards, and the definition of "acceptable".

Standard No. and year	Title, swpe and purport
SANS 1804-4:2006 (Ed. 1.1)	<i>Induction motors – Part 4: Single-phase induction motors. Consolidated edition incorporating amendment No. 1.</i> Amended to update the definition of "acceptable" and referenced standards, to include the unit "mm" in the indication of standard dimensions and frame sizes in the scope, and to delete a reference to the certification mark.
SANS 1815:2006 (Ed. 1.1)	<i>Servicing, repair and reconditioning of safe, strongroom doors, vault doors and fire-resistant equipment. Consolidated edition incorporating amendment No. 1.</i> Amended to update the referenced standards, to remove reference to the SABS and SABS standards in the text and to delete reference to the South African Qualification and Certification Committee (SAQCC).
SANS 1819:2006 (Ed. 1.2)	<i>Snatch blocks. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 1820:2006 (Ed. 1.1)	<i>Reconditioned snatch blocks. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards, to change the definition for "acceptable", and to change the designation from SABS to SANS.
SANS 1848:2006 (Ed. 1.4)	<i>Geyser drip trays. Consolidated edition incorporating amendment No. 4.</i> Amended to correct the units of measurement of zinc coating.
SANS 1910:2006 (Ed. 1.1)	<i>Portable refillable fire extinguishers. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards, to change the requirements for the components of a fire extinguisher, to correct the procedure for the ageing test, to correct a footnote in table D.2, and to include a title for the figure in annex E.
SANS 2401:1972/ ISO 2401:1972	<i>Covered electrodes – Determination of the efficiency, metal recovery and deposition coefficient. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 2409:1992/ ISO 2409:1992	<i>Paints and varnishes – Cross-cut test. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, and to add a statement in the national foreword.
SANS 2811-1:1997/ ISO 2811-1:1997	<i>Paints and varnishes – Determination of density – Part 1: Pycnometer method. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 2814:1973/ ISO 2814:1973	<i>Paints and varnishes – Comparison of contrast ratio (hiding power) of paints of the same type and colour. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 3056:1986/ ISO 3056:1986	<i>Non-calibrated round steel link lifting chain and chain slings – Use and maintenance. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 3834-1:2006/ ISO 3834-1:2005 (SANS 3834-1:2003)	<i>Quality requirements for fusion welding of metallic materials – Part 1: Criteria for the selection of the appropriate level of quality requirements.</i> Provides criteria for selection of the appropriate level of quality for fusion welding of metallic materials. Applies to manufacturing, both in the workshops and at field installation sites. This standard does not specify requirements for a total quality management system.
SANS 3834-2:2006/ ISO 3834-2:2005 (SANS 3834-2:2003)	<i>Quality requirements for fusion welding of metallic materials – Part 2: Comprehensive quality requirements.</i> Defines comprehensive quality requirements for fusion welding of metallic materials both in workshops and at field installation sites.
SANS 3834-3:2006/ ISO 3834-3:2005 (SANS 3834-3:2003)	<i>Quality requirements for fusion welding of metallic materials – Part 3: Standard quality requirements.</i> Defines standard quality requirements for fusion welding of metallic materials both in workshops and at field installation sites.
SANS 3834-4:2006/ ISO 3834-4:2005 (SANS 3834-4:2003)	<i>Quality requirements for fusion welding of metallic materials – Part 4: Elementary quality requirements.</i> Defines elementary quality requirements for fusion welding of metallic materials both in workshops and at field installation sites.
SANS 4348:1983/ ISO 4348:1983	<i>Flat-top chains and associated chain wheels for conveyors, National amendment No. 1.</i> Amended to change the designation from SABS to SANS, and add a statement in the national foreword.
SANS 5127:2006 (SABS SM 127:1975)	<i>Paints and varnishes – General appearance of oils and clear varnishes.</i> Specifies a method for the determination of the general appearance of oils and clear varnishes.
SANS 5249:2006 (SABS SM 249:1964)	<i>Determination of the absorbency rate of absorbent cotton wool.</i> Specifies a method for the determination of the absorbency rate of absorbent cotton wool.
SANS 5262:2006 (SABS SM 262:1973)	<i>Snarling twist in textile yarns.</i> Specifies a method for the determination of the snarling twist in textile yarns.
SANS 5833:2006 (Ed. 2.1)	<i>Detection of sugar in fine aggregates. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 5834:2006 (Ed. 2.1)	<i>Soluble deleterious impurities in fine aggregates (limit test). Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards and to change the designation of SABS standards to SANS standards.
SANS 5842:2006 (Ed. 2.1)	<i>FACT value (10 % fines aggregate crushing value) of coarse aggregates. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 5845:2006 (Ed. 2.1)	<i>Bulk densities and voids content of aggregates. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards and to update referenced standards.
SANS 5846:2006 (SABS SM 846:1976)	<i>Abrasion resistance of coarse aggregates (Los Angeles machine method).</i> Describes a method to determine the abrasion resistance of coarse aggregates.

Standard No. and year	Title, scope and purport
SANS 5861-1:2006 (Ed. 2.1)	<i>Concrete tests – Mixing fresh concrete in the laboratory. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 5861-2:2006 (Ed. 2.1)	<i>Concrete tests – Sampling of freshly mixed concrete. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 5861-3:2006 (Ed. 2.1)	<i>Concrete tests – Making and curing of test specimens. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 5863:2006 (Ed. 2.1)	<i>Concrete tests – Compressive strength of hardened concrete. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards and to update a referenced standard.
SANS 6239:2006 (SABS SM 1239:2002)	<i>Aggregate impact value of coarse aggregate.</i> Specifies a method for determining the aggregate impact value (AIV) of a prepared confined sample of coarse aggregate to sudden shock or impact.
SANS 6241:2006 (Ed. 1.1)	<i>Particle size distribution of material of diameter smaller than 75 µm in fine aggregate (hydrometer method). Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, and to update a referenced standard.
SANS 6292:2006 (Ed. 1.1)	<i>Lime tests – Chemical analysis – Sample preparation and reagents. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 6293:2006 (Ed. 1.1)	<i>Lime tests – Calcium oxide content. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 6294:2006 (Ed. 1.1)	<i>Lime tests – Magnesium oxide content. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 6295:2006 (Ed. 1.1)	<i>Lime tests – Carbon dioxide content. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 6296:2006 (Ed. 1.1)	<i>Lime tests – Available lime content. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 6298:2006 (Ed. 1.1)	<i>Lime tests – Loss on ignition. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 6299:2006 (Ed. 1.1)	<i>Lime tests – Physical properties – Sample preparation. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 6300:2006 (Ed. 1.1)	<i>Lime tests – Isothermal slaking and preparation of quicklime. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 6301:2006 (Ed. 1.2)	<i>Lime tests – Fineness. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 6305:2006 (Ed. 1.1)	<i>Lime tests – Pat soundness. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 6308:2006 (Ed. 1.1)	<i>Lime tests – Sulfur trioxide content. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 6406:2006/ ISO 6406:2005 (SABS ISO 6406:1992)	<i>Gas cylinders – Seamless steel gas cylinders – Periodic inspection and testing.</i> Specifies the minimum requirements for periodic inspection and testing to verify the integrity of gas cylinders for further service. It applies to seamless steel transportable gas cylinders intended for compressed, liquefied or dissolved gases under pressure (excluding acetylene), of water capacity from 0,5 L up to and including 150 L.
SANS 7286:1986/ ISO 7286:1986	<i>Graphical symbols for resistance welding equipment. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 7592:1983/ ISO 7592:1983	<i>Calibrated round steel link lifting chains – Guidelines to proper use and maintenance. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 7724-2:1984/ ISO 7724-2:1984	<i>Paints and varnishes – Colorimetry – Part 2: Colour measurement. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 7724-3:1984/ ISO 7724-3:1984	<i>Paints and varnishes – Colorimetry – Part 3: Calculation of colour differences. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 7875-1:2006/ ISO 7875-1:1996	<i>Water quality – Determination of surfactants – Part 1: Determination of anionic surfactants by measurement of the methylene blue index (MBAS). ISO technical corrigendum No. 1.</i> Corrected to amend a typing error in subclause 4.1.1, NOTE and to replace table 1.
SANS 7931:1985/ ISO 7931:1985	<i>Insulation caps and bushes for resistance welding equipment. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 8165-2:1999/ ISO 8165-2:1999	<i>Water quality – Determination of selected monovalent phenols – Part 2: Method by derivatization and gas chromatography. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.

Standard No. and year	Title, scope and purport
SANS 8167:1989/ ISO 8167:1989	<i>Projections for resistance welding. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 8430-1:1988/ ISO 8430-1:1988	<i>Resistance spot welding – Electrode holders – Part 1: Taperfixing 1:10. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 8430-2:1988/ ISO 8430-2:1988	<i>Resistance spot welding – Electrode holders – Part 2: Morse taperfixing. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 9090:1989/ ISO 9090:1989	<i>Gas tightness of equipment for gas welding and allied processes. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 9312:1990/ ISO 9312:1990	<i>Resistance welding equipment – Insulated pins for use in electrode back-ups. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 9313:1989/ ISO 9313:1989	<i>Resistance spot welding equipment – Cooling tubes. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 9408:1999/ ISO 9408:1999	<i>Water quality – Evaluation of ultimate aerobic biodegradability of organic compounds in aqueous medium by determination of oxygen demand in a closed respirometer. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 9539:1988/ ISO 9539:1988	<i>Materials for equipment used in gas welding, cutting and allied processes. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 10011:2006 (SABS 011:2001)	<i>Care-labelling of textile piece-goods, textile articles and clothing.</i> Covers a system of graphic symbols for use in the permanent marking of textile piece-goods for retail sale, made-up textile articles and clothing, to provide the consumer, the dry-cleaner and the launderer with information on the appropriate cleaning processes essential for the care of the textile piece-goods, textile articles and clothing.
SANS 10015:1999/ ISO 10015:1999	<i>Quality management – Guidelines for training. National amendment No. 1.</i> Amended to change the designation from SABS to SANS with no technical changes.
SANS 10106:2006 (SABS 0106:1972)	<i>The installation, maintenance, repair and replacement of domestic solar water heating systems.</i> Covers requirements for the installation, maintenance and repair of solar water heating systems for domestic use. Excludes the installation of solar water heaters for swimming pools and commercial buildings.
SANS 10216:2006 (SABS 0216:2001)	<i>Evaluation of vehicle test stations.</i> Covers general provisions for the evaluation of the technical competence of a vehicle test station authority. Also serves as a basis for determining the grading and registration of the authority, the suitability of the equipment and the competence of the examiners employed.
SANS 10307:2006 (Ed. 1.1)	<i>Cranes, lifting and suspended equipment – Support documentation and training. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation from SABS to SANS, and to delete reference to South African legislation in the body of the text.
SANS 10333-1:2006 (Ed. 1.1)	<i>Industrial rope access – Part 1: Worksites procedures. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to move reference to legislation to the foreword, to renumber definitions accordingly and to update the name of the rope access association.
SANS 10333-2:2006 (Ed. 1.1)	<i>Industrial rope access – Part 2: Training and certification procedures. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the name of the rope access association, to move reference to legislation to the foreword, and to delete the limit period with reference to the direct entry route.
SANS 10333-3:2006 (Ed. 1.1)	<i>Industrial rope access – Part 3: Inspection, certification and management procedures for equipment.</i> Amended to update referenced standards, to change the designation of SABS standards to SANS standards and to update the name of the rope access association.
SANS 10460:2006/ ISO 10460:2005 (SANS 10460:2003)	<i>Gas cylinders – Welded carbon-steel gas cylinders – Periodic inspection and testing.</i> Specifies the minimum requirements for periodic inspection and testing to verify the integrity of gas cylinders for further service. It applies to welded carbon-steel transportable gas cylinders intended for compressed, liquefied or dissolved gases under pressure, excluding acetylene and LPG, of water capacity from 1 L up to and including 150 L.
SANS 10461:2006/ ISO 10461:2005 (SANS 10461:2003)	<i>Gas cylinders – Seamless aluminium-alloy gas cylinders – Periodic inspection and testing.</i> Specifies the minimum requirements for periodic inspection and testing to verify the integrity of gas cylinders for further service. Deals with seamless aluminium-alloy transportable gas cylinders intended for compressed, liquefied or dissolved gases under pressure, excluding acetylene, of water capacity from 0,5 L up to 150 L.
SANS 10462:2006/ ISO 10462:2005 (SANS 10462:2003)	<i>Gas cylinders – Transportable cylinders for dissolved acetylene – Periodic inspection and maintenance.</i> Specifies the minimum requirements for periodic inspection and maintenance to verify the integrity of acetylene cylinders for further service, regardless of the method of manufacture of the shell.
SANS 11885:1996/ ISO 11885:1996	<i>Water quality – Determination of 33 elements by inductively coupled plasma atomic emission spectroscopy. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 12653-2:2006/ ISO 12653-2:2000	<i>Electronic imaging – Test target for the black-and-white scanning of office documents – Part 2: Method of use. ISO technical corrigendum No. 1.</i> Amended to add footnote information on page 3 that gives addresses and locations where test targets can be obtained.

Standard No. and year	Title, scope and purport
SANS 13395:1996/ ISO 13395:1996	<i>Water quality – Determination of nitrite nitrogen and nitrate nitrogen and the sum of both by flow analysis (CFA and FIA) and spectrometric detection. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 17020:1998/ ISO/IEC 17020:1998	<i>General criteria for the operation of various types of bodies performing inspection. National amendment No. 1.</i> Amended to change the designation from SABS to SANS with no technical changes.
SANS 50197-2:2000/ EN 197-2:2000	<i>Cement – Part 2: Conformity evaluation. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards and to include reference in the national foreword to preferred water temperature in South African laboratories.
SANS 50818-6:2000/ EN 818-6:2000	<i>Short link chain for lifting purposes – Safety – Part 6: Chainslings – Specification for information for use and maintenance to be provided by the manufacturer. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60034-3:2006/ IEC 60034-3:2005 (SABS IEC 60034-3:1988)	<i>Rotating electrical machines – Part 3: Specific requirements for cylindrical rotor synchronous machines.</i> Applies to three-phase cylindrical rotor synchronous machines, having rated outputs of 10 MVA and above. Gives common requirements for all cylindrical motor machines together with specific requirements for air, hydrogen or for liquid cooled cylindrical rotor synchronous machines. Also gives the precautions to be taken when using hydrogen cooled machines including rotating exciters driven by cylindrical rotor type machines, auxiliary equipment needed for operating the machines and parts of the building where hydrogen might accumulate.
SANS 60034-17:2006/ IEC TS 60034-17:2006 (SABS IEC 60034-17:2003)	<i>Rotating electrical machines – Part 17: Cage induction motors when fed from converters – Application guide.</i> Deals with the steady-state operation of cage induction motors within the scope of IEC 60034-12 (published in South Africa as an identical adoption under the designation SANS 60034-12), when fed from converters. Covers the operation over the whole speed setting range, but does not deal with starting or transient phenomena. Only indirect type converters are dealt with.
SANS 60034-18-32:1995/ IEC 60034-18-32:1995	<i>Rotating electrical machines – Part 18: Functional evaluation of insulation systems – Section 32: Test procedure for form-wound windings – Electrical evaluation of insulation systems used in machines up to and including 50 MVA and 15 kV.</i> National amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60034-18-33:1995/ IEC 60034-18-33:1995	<i>Rotating electrical machines – Part 18: Functional evaluation of insulation systems – Section 33: Test procedure for form-wound windings – Multifactor functional evaluation – Endurance under combined thermal and electrical stresses of insulation systems used in machines up to and including 50 MVA and 15 kV.</i> National amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60076-5:2006/ IEC 60076-5:2006 (SABS IEC 60076-5:2000)	<i>Power transformers – Part 5: Ability to withstand short circuit.</i> Identifies the requirements for power transformers with regard to their ability to withstand overcurrents due to external short circuits, demonstration of thermal ability to withstand short circuits and theoretical evaluation of the ability to withstand dynamic effects of short circuits.
SANS 60282-1:2006/ IEC 60282-1:2005/ (SABS IEC 60282-1:2003)	<i>High-voltage fuses – Part 1: Current-limiting fuses.</i> Applies to all types of high-voltage current-limiting fuses designed for use outdoors or indoors on alternating current systems of 50 Hz and 60 Hz and of rated voltages exceeding 1 000 V.
SANS 60335-2-3:2006/ IEC 60335-2-3:2005 (Ed. 3.1)	<i>Revision incorporating IEC amendment No. 1.</i> Amended to add to the introduction, to add a test condition and requirements for marking and instructions, to change requirements for heating, mechanical strength, construction, and supply connection and external flexible cords.
SANS 60335-2-4:2006/ IEC 60335-2-4:2006 (Ed. 2.2)	<i>Household and similar electrical appliances – Safety – Part 2-4: Particular requirements for spin extractors. Consolidated edition incorporating IEC amendment No. 2.</i> Amended to change the requirements for stability and mechanical hazards.
SANS 60335-2-7:2006/ IEC 60335-2-7:2006 (Ed. 4.2)	<i>Household and similar electrical appliances – Safety – Part 2-7: Particular requirements for washing machines. Consolidated edition incorporating IEC amendment No. 2.</i> Amended to add to the introduction, to extend the scope, to add a normative reference and tests conditions, to delete requirements for marking, instructions and moisture resistance, to change the test for abnormal operation, and requirements for endurance, stability and mechanical hazards, mechanical strength, construction and components, and to add references to the bibliography.
SANS 60335-2-36:2006/ IEC 60335-2-36:2005 (Ed. 4.1)	<i>Household and similar electrical appliances – Safety – Part 2-36: Particular requirements for commercial electric cooking ranges, ovens, hobs and hob elements. Consolidated edition incorporating IEC amendment No. 1.</i> Amended to add a construction requirement.
SANS 60335-2-39:2006/ IEC 60335-2-39:2004 (Ed. 4.1)	<i>Household and similar electrical appliances – Safety – Part 2-39: Particular requirements for commercial electric multi-purpose cooking pans. Consolidated edition incorporating IEC amendment No. 1.</i> Amended to add a construction requirement.
SANS 60335-2-40:2006/ IEC 60335-2-40:2005 (Ed. 3.2)	<i>Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air conditioners and dehumidifiers. Consolidated edition incorporating IEC amendment No. 2.</i> Amended to include hydronic room fan coils, to add a definition, to add requirements for marking, instructions and heating, to change requirements for moisture resistance, abnormal operation, mechanical strength and construction. IEC corrigendum 1 to IEC amendment No. 1. Corrected to change requirements for marking and instructions, to do editorial corrections by changing “shall” in the notes to “should” or “must”, and to change formulae for the calculation of charge limits in unventilated areas.

Standard No. and year	Title, scope and purport
SANS 60335-2-60:2006/ IEC 60335-2-60:2005 (Ed. 3.1)	<i>Household and similar electrical appliances – Safety – Part 2-60: Particular requirements for whirlpool baths and whirlpool spas. Consolidated edition incorporating IEC amendment No. 1.</i> Amended to change the title of the standard, to include whirlpool spas, to add to the introduction, to update definitions and to extend requirements for classification, marking and instructions, heating, moisture resistance, overload protection of transformers and associated circuits, abnormal operation, mechanical strength and construction.
SANS 60335-2-69:2006/ IEC 60335-2-69:2005 (Ed. 3.1)	<i>Household and similar electrical appliances – Safety – Part 2-69: Particular requirements for wet and dry vacuum cleaners, including power brush, for industrial and commercial use. Consolidated edition incorporating IEC amendment No. 1.</i> Amended to add information on marking in the foreword, to add normative references and definitions, to change requirements for classification, marking, instructions and moisture resistance, to add requirements for power input and current, leakage current and electric strength, abnormal operation, stability and mechanical hazards, mechanical strength, components, supply connection and external flexible cords, and particular requirements for the collection of dusts that are an explosion risk and requirements for the application of cleaners in electrostatic discharge protected areas.
SANS 60335-2-76:2006/ IEC 60335-2-76:2006 (Ed. 2.1)	<i>Household and similar electrical appliances – Safety – Part 2-76: Particular requirements for electric fence energizers. Consolidated edition incorporating IEC amendment No. 1.</i> Amended to change the introduction, to extend the scope to include domestic fences, to change requirements for abnormal operation, construction, clearances, creepage distances and solid insulation, and to add and replace requirements for the electric strength test, and for the installation and connection of electric fences and electric security fences.
SANS 60335-2-89:2006/ IEC 60335-2-89:2005 (Ed. 1.1)	<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 IEC amendment No. 1.</i> Amended to change an introductory paragraph, to exclude appliances with a charge of more than 150 g flammable refrigerant in each separate refrigerant circuit, to update a normative reference, to delete requirements for climatic classes SN, N, ST and T, to change requirements for marking and instructions, stability, mechanical hazards and construction, and for non-sparking "n" apparatus. <i>IEC corrigendum 1 to IEC amendment No. 1.</i> Changed to correct a reference.
SANS 60514:1975/ IEC 60514:1975	<i>Acceptance inspection of Class 2 alternating-current watt-hour meters. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60598-2-1:1979/ IEC 60598-2-1:1979	<i>Luminaires – Part 2: Particular requirements – Section 1: Fixed general purpose luminaires. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60598-2-2:1997/ IEC 60598-2-2:1997	<i>Luminaires – Part 2: Particular requirements – Section 2: Recessed luminaires. National amendment No. 2.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60598-2-6:1994/ IEC 60598-2-6:1994	<i>Luminaires – Part 2: Particular requirements – Section 6: Luminaires with built-in transformers or convertors for filament lamps. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60598-2-9:1987/ IEC 60598-2-9:1987	<i>Luminaires – Part 2: Particular requirements – Section 9: Photo and film luminaires (non-professional). National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60598-2-19:1981/ IEC 60598-2-19:1981	<i>Luminaires – Part 2: Particular requirements – Section 19: Air-handling luminaires (safety requirements). National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60675:2006/ IEC 60675:1998 (Ed. 1.1)	<i>Household electric direct-acting room heaters – Methods for measuring performance. Consolidated edition incorporating IEC amendment No. 1.</i> Amended to include requirements for the usable power. Clause 11 that covers the stability of room temperature and clause 15 that covers the effect of radiant heat, have also been amended.
SANS 60705:2006/ IEC 60705:2006 (Ed. 2.2)	<i>Household microwave ovens – Methods for measuring performance. Consolidated edition incorporating IEC amendment No. 2.</i> Amended to change requirements for cooking performance tests for a sponge cake and a potato gratin.
SANS 60734:2006/ IEC 60734:2001 (SABS IEC 60734:1993)	<i>Household electrical appliances – Performance – Hard water for testing.</i> Describes the preparation of three types of water of different hardness intended to be used for testing the performance of household appliances such as washing machines, dishwashers, dryers, steam irons, etc. Defines the characteristics of these waters and establishes various methods to be used for obtaining them.
SANS 60793-1-41:2006/ IEC 60793-1-41:2003 (SABS IEC 60793-1-41:2001)	<i>Optical fibres – Part 1-41: Measurement methods and test procedures – Bandwidth.</i> Describes two methods for determining and measuring the modal bandwidth of multi-mode optical fibres.
SANS 60794-2-40:2006/ IEC 60794-2-40:2003	<i>Optical fibre cables – Part 2-40: Indoor cables – Family specification for simplex and duplex cables with buffered A4 fibres. IEC technical corrigendum No. 1.</i> Corrected to change the maintenance cycle date from 2006 to 2005.
SANS 60851-4:2006/ IEC 60851-4:2005 (Ed. 2.2)	<i>Winding wires – Test methods – Part 4: Chemical properties. Consolidated edition incorporating IEC amendment No. 2.</i> Amended to change the introductory statements and requirements for all the tests, to change the tests for resistance to hydrolysis and to transformer oil (as amended by amendment 1), and to include a figure in the solderability test.
SANS 60921:2006/ IEC 60921:2006 (Ed. 2.1)	<i>Ballasts for tubular fluorescent lamps – Performance requirements. Consolidated edition incorporating IEC amendment No. 1.</i> Amended to add a general note on tests to draw attention to lamp performance standards which contain "information for ballast design", and that this should be followed for proper lamp operation.

Standard No. and year	Title, swpe and purport
SANS 60923:2006/ IEC 60923:2005 (SABS IEC 60923:2001)	<i>Auxiliaries for lamps – Ballasts for discharge lamps (excluding tubular fluorescent lamps) – Performance requirements.</i> Specifies performance requirements for ballasts for discharge lamps such as high-pressure mercury vapour, low-pressure sodium vapour, high-pressure sodium vapour and metal halide lamps. Covers inductive type ballasts for use on a.c. supplies up to 1 000 V at 50 Hz to 60 Hz associated with discharge lamps, having rated wattage, dimensions and characteristics as specified in the relevant IEC lamp standards.
SANS 61000-4-6:2006/ IEC 61000-4-6:2006 (Ed. 2.2)	<i>Electromagnetic compatibility (EMC) – Part 4-6: Testing and measurement techniques – Immunity to conducted disturbances, induced by radio-frequency fields. Consolidated edition incorporating IEC amendment No. 2.</i> Amended to change a recommendation on the conditions of use for clamp injection (relating to the coupling and decoupling for unscreened non-balanced lines).
SANS 61280-2-2:2006/ IEC 61280-2-2:2005 (SABS IEC 61280-2-2:1998)	<i>Fibre optic communication subsystem test procedures – Part 2-2: Digital systems – Optical eye pattern, waveform and extinction ratio measurement.</i> Describes a test procedure to measure eye pattern and waveform parameters, such as rise time, fall time, overshoot, and extinction ratio . Alternatively, the waveform may be tested for compliance with a predetermined waveform mask.
SANS 61347-2-9:2004 IEC 61347-2-9:2003 (Ed. 1.1)	<i>Lamp control gear – Part 2-9: Particular requirements for ballasts for discharge lamps [excluding fluorescent lamps]. IEC amendment No. 2.</i> Amended to change mandatory markings requirements to add requirements for no-load output voltage and, in annex K, additional requirements for built-in magnetic ballasts with double or reinforced insulation.
SANS 61358:1996/ IEC 61358:1996	<i>Acceptance inspection for direct connected alternating current static watt-hour meters for active energy (classes 1 and 2). National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 61558-1:2006/ IEC 61558-1:2005 (SABS IEC 61558-1:1997)	<i>Safety of power transformers, power supplies, reactors and similar products – Part 1: General requirements and tests.</i> Specifies safety aspects of power transformers, power supplies, reactors and similar products such as electrical, thermal and mechanical safety .
SANS 61643-1:2006/ IEC 61643-1:2005 (SANS 61643-1:2003)	<i>Low-voltage surge protective devices – Part 1: Surge protective devices connected to low-voltage power distribution systems – Requirements and tests.</i> Applies to devices for surge protection against indirect and direct effects of lightning or other transient overvoltages. These devices are packaged to be connected to 50/60 Hz a.c. and d.c. power circuits, and equipment rated up to 1 000 V r.m.s. or 1 500 V d.c.
SANS 61754-13:2006/ IEC 61754-13:2006 (SABS IEC 61754-13:1999)	<i>Fibre optic connector interfaces – Part 13: Type FC-PC connector.</i> Defines the standard interface dimensions for the type FC-PC family of connectors .
SANS 62051:1999 IEC 62051:1999	<i>Electricity metering – Glossary of terms. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.

Standard No. and year	Title
SANS 912:1972	<i>Calcium plumbate primer</i>
SANS 1087:1985	<i>The manufacture of reconditioned brake-shoe assemblies</i>
SANS 1481-2:1992	<i>Trunked land mobile radio systems – Part 2: Trunking</i>
SANS 1506:1994	<i>Braking</i>
SANS 1545-10:2000	<i>Safety rules for the construction and installation of lifts – Part 10: Testing and inspection documents for lifts</i>
SANS 1760:1998	<i>Land mobile communication equipment – Technical characteristics and additional requirements of environmental tests</i>
SANS 3207:2004	<i>Statistical interpretation of data – Determination of a statistical tolerance interval</i>
SANS 5028:1975	<i>Panels for paint tests: wood (untreated)</i>
SANS 5168:1975	<i>Resistance to hot water of paint and varnish films</i>
SANS 5181:1975	<i>Colour of oils and varnishes by visual comparison</i>
SANS 5199:1981	<i>Anionic surfactants content of water (methylene-blue-active substances)</i>
SANS 5773:1978	<i>Profile of blast-cleaned steel surfaces for painting (determined by differential microscopic focusing)</i>
SANS 5774:1978	<i>Profile of blast-cleaned steel surfaces for painting [determined by the replica technique]</i>
SANS 10187:1983	<i>Cargo securement on vehicles</i>

Standard No. and year	Title
SANS 10262-2:1995	<i>Radio sites – Part 2: Site management</i>
SANS 300386-1:1994	<i>Equipment engineering (EE): Telecommunication network equipment: Electromagnetic compatibility (EMC) requirements – Part 1: Product family overview, compliance criteria and test levels</i>
SANS 300386-2:1997	<i>Electromagnetic compatibility and radio spectrum matters (EM): Telecommunication network equipment: Electromagnetic compatibility (EMC) requirements – Part 2: Product family standard</i>
SANS 300447:1997	<i>Radio Equipment and Systems (RES) – ElectroMagnetic Compatibility (EMC) standard for VHF FM broadcasting transmitters</i>

SCHEDULE 4: ADDRESSES OF SABS OFFICES

The addresses of offices of the South African Bureau of Standards where copies of standards mentioned in this notice can be obtained, are as follows:

1. The President, South African Bureau of Standards, 1 Dr Lategan Road, Groenkloof, Private Bag X191, Pretoria 0001.
2. The Manager, Western Cape Regional Office, SABS, Liesbeek Park Way, Rosebank, PO Box 615, Rondebosch, 7701.
3. The Manager, Eastern Cape Regional Office, SABS, 30 Kipling Road, cor Diaz and Kipling Roads, Port Elizabeth, PO Box 3013, North End 6056.
4. The Manager, KwaZulu-Natal Regional Office, SABS, 15 Garth Road, Waterval Park, Durban, PO Box 30087, Mayville 4058.
5. The Control Officer, Bloemfontein Branch Office, SABS, 34 Victoria Road, Willows, Bloemfontein, PO Box 20265, Willows, 9320.