

## DEPARTMENT OF TRADE AND INDUSTRY

No. 310

8 April 2011

STANDARDS ACT, 2008  
STANDARDS MATTERS

In terms of the Standards Act, 2008 (Act No. 8 of 2008), 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 310:2011	<i>Storage tank facilities for hazardous chemicals – Above-ground storage tank facilities for flammable, combustible and non-flammable chemicals.</i> Specifies the layout, design, installation, operation and maintenance of above ground storage tanks and equipment used for the handling, storage and distribution of hazardous chemicals in liquid, solids and powder form, stored at atmospheric pressure. Covers tanks that are intended for fixed or immovable installation of capacity greater than 1,5 cubic metres. Covers refrigerated (as defined in this document) applications, at atmospheric pressure. Does not cover petroleum products and their derivatives (which are covered by the SANS 10089 series and SANS 10131), or compressed gases (including LPG and LNG).
SANS 358-1:2011/ ISO 1224-1:2007	<i>Rolling bearings – Instrument precision bearings – Part 1: Boundary dimensions, tolerances and characteristics of metric series bearings.</i> Specifies the characteristics that define instrument precision rolling bearings, metric series, their types, boundary dimensions, tolerances and internal clearance, classifications used for selective assembly, torque definitions and test conditions, and limitations of bearing yield rates.
SANS 833:2011	<i>Biodiesel production – Quality management system – Producer requirements.</i> Specifies requirements for a quality assurance programme for biodiesel production of a product that complies with SANS 1935.
SANS 952-1:2011	<i>Polymer film for damp-proofing and waterproofing in buildings – Part 1: Monofilament and co-extruded products.</i> Covers the requirements for five types of monofilament polyolefin film and four types of co-extruded polyolefin film, for use as a damp-proofing material in walls, under concrete and under roofing tiles, and for the water-proofing of basements.
SANS 994-1:2011	<i>Ratite farming – Part 1: Ostriches.</i> Provides the minimum requirements for the holding and farming of ostriches for commercial production.
SANS 1412:2011/ ASTM F 1412:2009	<i>Standard specification for polyolefin pipe and fittings for corrosive waste drainage systems.</i> Covers requirements for non-pressure polyolefin pipe and fittings for corrosive waste drainage systems.
SANS 1833-24:2011/ ISO 1833-24:2010	<i>Textiles – Quantitative chemical analysis – Part 24: Mixtures of polyester and certain other fibres (method using phenol and tetrachloroethane).</i> Specifies a method using phenol and tetrachloroethane to determine the percentage of polyester after removal of non-fibrous matter in textiles made of binary mixtures of certain polyester fibres with acrylic, polypropylene or aramid fibres. This method is not applicable to coated fabrics.
SANS 2596:2011/ ISO 2596:2006	<i>Iron ores – Determination of hygroscopic moisture in analytical samples – Gravimetric, Karl Fischer and mass-loss methods.</i> Specifies four test methods for the determination of the hygroscopic moisture content of test samples.
SANS 2597-1:2011/ ISO 2597-1:2006	<i>Iron ores – Determination of total iron content – Part 1: Titrimetric method after tin (II) chloride reduction.</i> Specifies a titrimetric method for the determination of total iron content of iron ores, using potassium dichromate after reduction of the trivalent iron by tin(II) chloride.
SANS 3000-4:2011	<i>Railway safety management – Part 4: Human factors management.</i> Provides minimum requirements to railway operators for the management of human factors for employees who undertake safety-related work.
SANS 3001-BT24:2011	<i>Civil engineering test methods – Part BT24: Measurement of transverse distribution ('Bucket test') for a binder distributor.</i> Describes a method for determining the conformance of the transverse distribution of a binder distributor spray bar.
SANS 3082:2011/ ISO 3082:2009	<i>Iron ores – Sampling and sample preparation procedures.</i> Gives the underlying theory, the basic principles for sampling and preparation of samples, and the basic requirements for the design, installation and operation of sampling systems for mechanical sampling, manual sampling and preparation of samples taken from a lot under transfer, to determine the chemical composition, moisture content, size distribution and other physical and metallurgical properties of the lot, except bulk density obtained using ISO 3852:2007 (Method 2).

Standard No. and year	Title, scope and purport
SANS 3084:2011/ ISO 3084:1998	<i>Iron ores – Experimental methods for evaluation of quality variation.</i> Specifies experimental methods for the evaluation of quality variation of iron ores for each type of iron ore being traded and for each handling plant.
SANS 3085:2011/ ISO 3085:2002	<i>Iron ores – Experimental methods for checking the precision of sampling, sample preparation and measurement.</i> Specifies experimental methods for checking the precision of sampling, sample preparation and measurement of iron ores being carried out in accordance with the methods specified in ISO 3080 and the relevant ISO standards for measurement.
SANS 3086:2011/ ISO 3086:2006	<i>Iron ores – Experimental methods for checking the bias of sampling.</i> Specifies experimental methods for checking the bias of sampling of iron ores, when sampling is carried out in accordance with the methods specified in ISO 3080, having as reference a stopped-belt sampling method.
SANS 3087:2011/ ISO 3087:1998	<i>Iron ores – Determination of the moisture content of a lot.</i> Specifies a method for the determination of moisture content of a lot of iron ore. Applicable to all iron ores, whether natural or processed.
SANS 4701:2011/ ISO 4701:2008	<i>Iron ores and direct reduced iron – Determination of size distribution by sieving.</i> Specifies the methods to be employed for determination of size distributions by sieving of iron ore and direct reduced iron (exclude briquetted iron), utilizing sieves having aperture sizes of 36 micrometers or larger.
SANS 9686:2011/ ISO 9686:2006	<i>Direct reduced iron – Determination of carbon and/or sulfur – High-frequency combustion method with infrared measurement.</i> Specifies a method for the determination of the mass fraction of carbon and/or sulfur in direct reduced iron by infrared measurement after high-frequency combustion.
SANS 9906:2011/ ISO 9906:1999	<i>Rotodynamic pumps – Hydraulic performance acceptance tests – Grades 1 and 2.</i> Specifies hydraulic performance tests for acceptance of rotodynamic pumps (centrifugal, mixed flow and axial pumps, hereinafter simply designated as "pumps"). It is applicable to pumps of any size and to any pumped liquids behaving as clean cold water.
SANS 10835:2011/ ISO 10835:2007	<i>Direct reduced iron and hot briquetted iron – Sampling and sample preparation.</i> Gives the underlying theory, the basic principles for sampling and preparation of samples, and the basic requirements for the design, installation and operation of sampling systems, for mechanical sampling, manual sampling and preparation of samples taken from a lot under transfer, to determine the chemical composition, moisture content and physical properties of the lot.
SANS 11323:2011/ ISO 11323:2010	<i>Iron ore and direct reduced iron – Vocabulary.</i> Gives the definitions for terms used in TC 102 standards for sampling, sample preparation, moisture and particle size analysis and physical testing of iron ore and direct reduced iron.
SANS 11535:2011/ ISO 11535:2006	<i>Iron ores – Determination of various elements – Inductively coupled plasma atomic emission spectrometric method.</i> Specifies a method for the determination of aluminium, calcium, phosphorus, magnesium, manganese, silicon and titanium in iron ores by inductively coupled plasma atomic emission spectrometry (ICP-AES).
SANS 16042:2011/ ISO 16042:2007	<i>Iron ores – Guidelines for the use of certified reference materials (CRMs).</i> Describes recommended procedures for the use of CRMs that have been prepared and certified in accordance with ISO 11459.
SANS 17422:2011/ ISO 17422:2002	<i>Plastics – Environmental aspects – General guidelines for their inclusion in standards.</i> Provides a structure for inclusion of environmental aspects in standards for plastics products. Proposes an approach that is directed at minimizing any adverse environmental impact without detracting from the primary purpose of ensuring adequate fitness for use of the products under consideration.
SANS 19785-4:2011/ ISO/IEC 19785-4:2010	<i>Information technology – Common Biometric Exchange Formats Framework – Part 4: Security block format specifications.</i> Specifies security block formats registered in accordance with ISO/IEC 19785-2. Specifies their registered security block format identifiers. This security block provides all necessary security parameters, including those used for encryption or integrity. Does not restrict the algorithms and parameters used for encryption or integrity, but provides for the recording of such algorithms and parameter values.
SANS 22717:2011/ ISO 22717:2006	<i>Cosmetics – Microbiology – Detection of Pseudomonas aeruginosa.</i> Gives general guidelines for the detection and identification of the specified micro-organism Pseudomonas aeruginosa in cosmetic products.
SANS 27955:2011/ ISO 27955:2010	<i>Road vehicles – Securing of cargo in passenger cars, station wagons and multi-purpose vehicles – Requirements and test methods.</i> Applies to devices for the securing of cargo in passenger cars, station wagons and multi-purpose passenger cars, where the seats directly delimit the loading space. Defines minimum requirements and tests for front and rear seats and – Partitioning systems, in order to improve the protection of the vehicle occupants against shifting load during a frontal impact. Also defines minimum requirements and tests for lashing points in the above-mentioned vehicles in order to be able to secure a load (luggage or goods) in a reliable and roadworthy way.
SANS 29109-2:2011/ ISO/IEC 29109-2:2010	<i>Information technology – Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 – Part 2: Finger minutiae data.</i> Specifies elements of conformance testing methodology, test assertion, test procedures and test of semantic assertion as applicable to the biometric data format interchange standard relating to finger minutiae data.
SANS 29109-4:2011/ ISO/IEC 29109-4:2010	<i>Information technology – Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 – Part 4: Finger image data.</i> Specifies elements of conformance testing methodology, test assertion and test procedures. Establishes test assertion of the structure of the finger image data format and internal consistency by checking the types of value that may be contained within each field.

Standard No. and year	Title, scope and purport
SANS 29159-1:2011/ ISO/IEC 29159:2010	<i>Information technology – Biometric calibration, augmentation and fusion data – Part 1: Fusion information format.</i> Specifies a biometric fusion information format that establishes machine readable data formats to describe the statistics of comparison score inputs to a fusion process. Does not standardize comparison-score normalization processes, nor standardize or define fusion processes.
SATR 29794-4:2011/ ISO/IEC TR 29794-4:2010	<i>Information technology – Biometric sample quality – Part 4: Finger image data.</i> Specifies terms and definitions that are useful in the specification and test of finger image quality metrics. Defines the interpretation of finger image quality scores and identifies or defines finger image corpora for the purpose of serving as information for algorithm developers and users.
SANS 50200:2011/ EN 50200:2006	<i>Method of test for resistance to fire of unprotected small cables for use in emergency circuits.</i> Specifies the test method for cables designed to have intrinsic resistance to fire and intended for use as emergency circuits for alarm, lighting and communication purposes.
SANS 60601-2-10:2011/ IEC 60601-2-10:1987	<i>Medical electrical equipment – Part 2-10: Particular requirements for the safety of nerve and muscle stimulators.</i> Specifies the requirements for the safety of nerve and muscle stimulators for use in the practice of physical medicine.
SANS 60601-2-28:2011/ IEC 60601-2-28:2010	<i>Medical electrical equipment – Part 2-28: Particular requirements for the basic safety and essential performance of X-ray tube assemblies for medical diagnosis.</i> Covers basic safety and essential performance requirements for X-ray tube assemblies for medical diagnosis.
SANS 60601-2-33:2011/ IEC 60601-2-33:2010	<i>Medical electrical equipment – Part 2-33: Particular requirements for the basic safety and essential performance of magnetic resonance equipment for medical diagnosis.</i> Applies to the basic safety and essential performance of medical resonance equipment and medical resonance systems.
SANS 60601-2-43:2011/ IEC 60601-2-43:2010	<i>Medical electrical equipment – Part 2-43: Particular requirements for the basic safety and essential performance of X-ray equipment for interventional procedures.</i> Applies to the basic safety and essential performance of X-ray equipment declared by the manufacturer to be suitable for radioscopically guided interventional procedures (interventional X-ray equipment).
SANS 60601-2-52:2011/ IEC 60601-2-5:2009	<i>Medical electrical equipment – Part 2-52: Particular requirements for the basic safety and essential performance of medical beds.</i> Applies to the basic safety and essential performance of medical beds intended for adults.
SANS 60704-2-14:2011/ IEC 60704-2-14:2007	<i>Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-14: Particular requirements for refrigerators, frozen-food storage cabinets and food freezers.</i> Specifies methods for measuring airborne acoustical noise emitted by electric refrigerators, frozen-food storage cabinets, food freezers and their combinations for household and similar uses, supplied from the mains or from batteries. Does not apply to appliances, equipment or machines designed exclusively for industrial or commercial purposes.
SANS 60853-1:2011/ IEC 60853-1:1985	<i>Calculation of the cyclic and emergency current rating of cables – Part 1: Cyclic rating factor for cables up to and including 18/30 (36) kV.</i> Gives methods for calculating the cyclic rating factor for cables where the internal thermal capacitance can be neglected. The methods can be applied to all sizes and types of cable for nominal voltages up to and including 18/30 (36) kV, with any shape of load cycle, when the margin of error is not expected to exceed 5 % on the safe side.
SANS 60853-2:2011/ IEC 60853-2:1989	<i>Calculation of the cyclic and emergency current rating of cables – Part 2: Cyclic rating of cables greater than 18/30 (36) kV and emergency ratings for cables of all voltages.</i> Gives manual methods for calculating cyclic rating factors for cables whose internal thermal capacitance cannot be neglected. Applies to cables for voltages greater than 18/30 (36) kV. Also gives a method for calculating the emergency rating for cables of any voltage.
SANS 60853-3:2011/ IEC 60853-3:2002	<i>Calculation of the cyclic and emergency current rating of cables – Part 3: Cyclic rating factor for cables of all voltages, with partial drying of the soil.</i> Gives a method for calculating the cyclic rating factor, for cables of all voltages, where partial drying out of the surrounding soil is anticipated.
SANS 61968-9:2011/ IEC 61968-9:2009	<i>Application integration at electric utilities – System interfaces for distribution management – Part 9: Interfaces for meter reading and control.</i> Specifies the information content of a set of message types that can be used to support many of the business functions related to meter reading and control. Typical uses of the message types include meter reading, meter control, meter events, customer data synchronization and customer switching.
SANS 62058-11:2011/ IEC 62058-11:2008	<i>Electricity metering equipment (AC) – Acceptance inspection – Part 11: General acceptance inspection methods.</i> Describes acceptance inspection methods of newly manufactured electricity meters produced and supplied in lots of 50 and above.
SANS 62058-21:2011/ IEC 62058-21:2008	<i>Electricity metering equipment (AC) – Acceptance inspection – Part 21: Particular requirements for electromechanical meters for active energy (classes 0,5, 1 and 2).</i> Specifies particular requirements for acceptance, inspection of newly manufactured direct connected or transformer operated electromechanical meters for active energy (classes 0,5, 1 and 2) delivered in lots in quantities above 50.
SANS 62058-31:2011/ IEC 62058-31:2008	<i>Electricity metering equipment (AC) – Acceptance inspection – Part 31: Particular requirements for static meters for active energy (classes 0,2 S, 0,5 S, 1 and 2).</i> Specifies particular requirements for acceptance, inspection of newly manufactured direct connected or transformer operated static meters for active energy (classes 0,2 S, 0,5 S, 1 and 2) delivered in lots in quantities above 50.
SANS 62059-31-1:2011/ IEC 62059-31-1:2008	<i>Electricity metering equipment – Dependability – Part 31-1: Accelerated reliability testing – Elevated temperature and humidity.</i> Provides one of several possible methods for estimating product life characteristics by accelerated reliability testing.

Standard No. and year	Title, scope and purport
SANS 62485-3:2011/ IEC 62485-3:2010	<i>Safety requirements for secondary batteries and battery installations – Part 3: Traction batteries.</i> Applies to secondary batteries and battery installations used for electric vehicles, e.g. in electric industrial trucks (including lift trucks, tow trucks, cleaning machines, automatic guided vehicles), in battery powered locomotives, in electric vehicles (e.g. goods vehicles, golf carts, bicycles, wheelchairs), and does not cover the design of such vehicles.

## 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 50:2011/ ISO 562:2010 (SABS ISO 562:1998)	<i>Hard coal and coke – Determination of volatile matter.</i> Specifies a method of determining the volatile matter of hard coal and of coke. It is not applicable to brown coals and lignites.
SANS 110:2011 (Ed. 1.4)	<i>Sealing compounds for the building industry, two-component, polysulphide base. Consolidated edition incorporating amendment No. 4.</i> Amended to change the designation of SABS standards to SANS standards, to include the definition for "acceptable" and to delete reference to "Portland" and to update referenced standards.
SANS 121:2011/ ISO 1461:2009 (SABS ISO 1461:2000)	<i>Hot dip galvanized coatings on fabricated iron and steel articles – Specifications and test methods.</i> Specifies the general properties of coatings and test methods for coatings applied by dipping fabricated iron and steel articles (including certain castings) in a zinc melt (containing not more than 2 % of other metals).
SANS 131:2011/ ISO 1171:2010 (SABS ISO 1171:1997)	<i>Solid mineral fuels – Determination of ash.</i> Specifies a method for the determination of the ash of all solid mineral fuels.
SANS 327:2011 (Ed. 1.1)	<i>Over-needle peripheral catheters (sterile-packed for single use). Consolidated edition incorporating amendment No. 1.</i> Amended to update a referenced standard.
SANS 392:2011 (Ed. 2.4)	<i>Filler rods for braze welding: (Metric units). Consolidated edition incorporating amendment No. 4.</i> Amended to update a referenced standard.
SANS 455:2011 (Ed. 4.5)	<i>Covered electrodes for the manual arc welding of carbon and carbon manganese steels. Consolidated edition incorporating amendment No. 5.</i> Amended to update a referenced standard.
SANS 501-D01:2011/ ISO 105-D05:2010 (SABS ISO 105-D01)	<i>Textiles – Tests for colour fastness – Part D01: Colour fastness to drycleaning using perchloroethylene solvent.</i> Specifies a method for determining the resistance of the colour of textiles of all kinds and in all forms to dry-cleaning using perchloroethylene solvent. This test covers colour fastness to dry-cleaning only.
SANS 105-E01:2011/ ISO 105-E01:2010	<i>Textiles – Tests for colour fastness – Part E01: Colour fastness to water.</i> Specifies a method for determining the resistance of the colour of textiles of all kinds and in all forms to immersion in water.
SANS 105-E03:2011/ ISO 105-E03:2010	<i>Textiles – Tests for colour fastness – Part E03: Colour fastness to chlorinated water (swimming-pool water).</i> Specifies a method for determining the resistance of the colour of textiles of all kinds and in all forms to the action of active chlorine in concentrations such as are used to disinfect swimming-pool water (break-point chlorination).
SANS 105-E05:2011/ ISO 105-E05:2010	<i>Textiles – Tests for colour fastness – Part E05: Colour fastness to spotting: Acid.</i> Specifies a method for determining the resistance of the colour of textiles of all kinds and in all forms to the action of dilute solutions of organic and mineral acids.
SANS 105-E07:2011/ ISO 105-E07:2010	<i>Textiles – Tests for colour fastness – Part E07: Colour fastness to spotting: Water.</i> Specifies a method for determining the resistance of the colour of textiles of all kinds and in all forms to spotting by water.
SANS 216-2-3:2011/ CISPR 16-2-3:2010 (Ed. 3.1)	<i>Specification for radio disturbance and immunity measuring apparatus and methods – Part 2-3: Methods of measurement of disturbances and immunity – Radiated disturbance measurements. Consolidated edition incorporating amendment No. 1.</i> Amended to add new specifications for the test methods, following the addition of FFT-based measuring instrumentation in CISPR 16-1-1 (published in South Africa as an identical adoption under the designation SANS 216-1-1).
SANS 305:2011 (Ed. 1.1)	<i>Winged infusion sets (sterile-packed for single use). Consolidated edition incorporating amendment No. 1.</i> Amended to update a referenced standard.
SANS 601:2011 (Ed. 1.2)	<i>Dynamometer testing for replacement brake lining assemblies and drum brake linings intended for vehicles of category M1, M2 and N1. Consolidated edition incorporating amendment No. 2.</i> Amended to replace the term "dynamometer testing" in the scope with the term "inertia dynamometer testing", to change a requirement in the preparation for the dynamometer test, to change a requirement in the cold performance equivalent test and the speed sensitivity test, and to change certain requirements in the heating procedure and the hot performance of the type 1 test.
SANS 607:2011/ ISO Guide 34:2009	<i>General requirements for the competence of reference material producers.</i> Sets general requirements in accordance with which a reference material producer has to demonstrate that it operates, if it is to be recognized as competent to carry out the production of reference material. It is intended for the use of reference material producers in the development and implementation of their quality systems, and by accreditation bodies, certification bodies and others concerned with assessing the competence of reference material producers. Quality system requirements in accordance with which reference material is sourced, shall be produced. It is intended to be used as part of a reference material producer's general quality assurance (QA).

Standard No. and year	Title, scope and purport
SANS 820:2011 (Ed. 3.1)	<i>Mild steel nails. Consolidated edition incorporating amendment No. 1.</i> Amended to update a referenced standard.
SANS 865:2011 (Ed. 2.3)	<i>Ambulance stretchers. Consolidated edition incorporating amendment No. 3.</i> Amended to update a referenced standard.
SANS 920:2011 (Ed. 2.3)	<i>Steel bars for concrete reinforcement. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards.
SANS 1124-1:2011 (SABS 1124-1:1998)	<i>Syringes and needles (sterile-packed for single use) – Part 1: Hypodermic needles.</i> Specifies requirements for sterile, single-use, plastics-hubbed Luer lock hypodermic injection needles for general medical use.
SANS 1124-2:2011 (SABS 1124-2:1998)	<i>Syringes and needles (sterile-packed for single use) – Part 2: Syringes.</i> Specifies requirements for sterile, single-use, plastics syringes for general medical use supplied with needles, integrated or detached, or without needles. It covers tuberculin syringes, general medical syringes with a 6 % Luer conical taper nozzle, catheter syringes and syringes for fixed-dose immunization. It does not cover syringes for use with power-driven syringe pumps.
SANS 1166:2011 (Ed. 2.1)	<i>Syringes with or without needles for the injection of insulin (sterile-packed for single use). Consolidated edition incorporating amendment No. 1.</i> Amended to update a referenced standard, and to correct a cross-reference.
SANS 1171:2011 (Ed. 2.3)	<i>Metal screws for wood. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards.
SANS 1186-4:2011 (Ed. 1.3)	<i>Symbolic safety signs – Part 4: Retro-reflective signs. Consolidated edition incorporating amendment No. 3.</i> Amended to change the chromaticity co-ordinates and luminance factors for red, yellow, blue and white retro-reflective surface colours.
SANS 1213:2011 (SABS 1213:2000)	<i>Mechanical cable glands.</i> Covers requirements for mechanical cable glands for the attachment of cables that comply with the requirements of the relevant parts of SANS 1507, SANS 1520-1, SANS 1520-2, or the relevant parts of SANS 1574 for electrical apparatus, including explosion protected (Ex) enclosures that are dust-ignition-proof, or hose-proof, or both.
SANS 1273:2011 (Ed. 2.1)	<i>Fasteners for roof and wall coverings in the form of sheeting. Consolidated edition incorporating amendment No. 1.</i> Amended to update a referenced standard and to correct the numbering of the tables accordingly.
SANS 1370:2011 (Ed. 1.3)	<i>Fluxes for the submerged arc welding of carbon and carbon manganese steels. Consolidated edition incorporating amendment No. 3.</i> Amended to update a referenced standard.
SANS 1543:2011 (Ed. 2.2)	<i>Escalators and passenger conveyors. Consolidated edition incorporating amendment No. 2.</i> Amended to update a referenced standard, and to modify annex A.
SANS 1596:2010 (Ed. 1.2)	<i>Drop forged eyebolts and eyenuts for lifting purposes. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 1597:2011 (SABS 1597:1994)	<i>Antiseptics based on chlorhexidine gluconate.</i> Specifies requirements for antiseptic products based on chlorhexidine gluconate that may contain a detergent or detergents and other compatible chemical agents, and that are water-miscible and intended for use on live tissue.
SANS 1615:2011 (SABS 1615:1995)	<i>Disinfectants based on glutaraldehyde for general use.</i> Specifies requirements for two types of disinfectants based on glutaraldehyde and intended for general use.
SANS 1619:2011 (Ed. 2.3)	<i>Small power distribution units (ready-boards) for single-phase 230 V service connections. Consolidated edition incorporating amendment No. 3.</i> Amended to update a referenced standard, to introduce new requirements for socket-outlets and circuit-breakers, and to update an annex on the installation of SPDs to align with the latest edition of SANS 10142-1.
SANS 1700-5-1:2011/ ISO 898-1:2009 (SABS 1700-5:2003)	<i>Fasteners – Part 5: General requirements and mechanical properties Section 1: Mechanical properties of fasteners made of carbon steel and alloy steel – Bolts, screws and studs.</i> Specifies the mechanical properties of bolts, screws and studs made of carbon steel and alloy steel when tested at an ambient temperature of 10 degrees C to 35 degrees C.
SANS 1775-1:2011 (Ed. 1.1)	<i>Intravenous infusion and transfusion equipment (sterile-packed for single use) – Part 1: Infusion sets, gravity feed. Consolidated edition incorporating amendment No. 1.</i> Amended to update a referenced standard.
SANS 1775-2:2011 (Ed. 1.1)	<i>Intravenous infusion and transfusion equipment (sterile-packed for single use) – Part 2: Burette sets, gravity feed. Consolidated edition incorporating amendment No. 1.</i> Amended to update a referenced standard.
SANS 1775-4:2011 (Ed. 1.1)	<i>Intravenous infusion and transfusion equipment (sterile-packed for single use) – Part 4: Central venous pressure (CVP) monitoring sets. Consolidated edition incorporating amendment No. 1.</i> Amended to update a referenced standard.
SANS 1777:2011 (Ed. 1.3)	<i>Photoelectric control units for lighting (PECUs). Consolidated edition incorporating amendment No. 3.</i> Amended to include a definition of "load-switching device" and number the rest of the definitions accordingly, and to change the term "switch" to read "load-switching device".
SANS 1918:2011 (Ed. 1.1)	<i>Needleless connectors (sterile-packed for single patient use). Consolidated edition incorporating amendment No. 1.</i> Amended to update a referenced standard, and to correct the numbering of a cross-reference.
SANS 2061:2011/ ISO 2061:2010 (SABS ISO 2061:1995)	<i>Textiles – Determination of twist in yarns – Direct counting method.</i> Specifies a method for the determination of the direction of twist in yarns, the amount of twist in terms of turns per unit length, and the change in length on untwisting, by the direct counting method.
SANS 3001-GR1:2011 (Ed. 1.1)	<i>Civil engineering test methods – Part GR1: Wet preparation and particle size analysis. Consolidated edition incorporating amendment No. 1.</i> Amended to update the introduction, and to change a sieve aperture in the tables on the typical sigma and E values, the reduction of the coarse fraction masses, the conversion of the fractions retained on the sieve, and the conversion of the percentages retained into percentages passing.

Standard No. and year	Title, scope and purport
SANS 3001-GR10:2011 (Ed. 1.1)	<i>Civil engineering test methods – Part GR10: Determination of the one-point liquid limit, plastic limit, plasticity index and linear shrinkage. Consolidated edition incorporating amendment No. 1.</i> Amended to update the introduction.
SANS 3001-PR1:2011 (Ed. 1.1)	<i>Civil engineering test methods – Part PR1: Determination of uncertainty of measurement, repeatability, reproducibility and bias. Consolidated edition incorporating amendment No. 1.</i> Amended to include a clause on precision categories.
SANS 3001-PR10:2011 (Ed. 1.1)	<i>Civil engineering test methods – Part PR10: Checking, handling, maintenance and verification of test sieves. Consolidated edition incorporating amendment No. 1.</i> Amended to change a sieve size in the table on the maximum mass permissible on sieves.
SANS 3082:2011/ ISO 3082:2009	<i>Iron ores – Sampling and sample preparation procedures. ISO corrigendum No. 1.</i> Corrected to include two sentences to indicate that the current edition cancels and replaces the third edition and also cancels and replaces ISO 10836:1994.
SANS 4787:2011/ ISO 4787:2010	<i>Laboratory glassware – Volumetric instruments – Methods for testing of capacity and for use.</i> Provides methods for the testing, calibration and use of volumetric instruments made from glass in order to obtain the best accuracy in use.
SANS 6119:2001 (SABS 087-4:1979)	<i>The water-soluble chloride content of material for thermal insulation.</i> Specifies the method for the determination of the water-soluble chloride content of material for thermal insulation.
SANS 10049:2011 (SABS 049:2001)	<i>Food safety management – Requirements for prerequisite programmes (PRPs).</i> Contains requirements for the development, implementation, maintenance and continual improvement of prerequisite programmes (PRPs) for food safety management.
SANS 10087-4:2011 (SABS 087-4:1979)	<i>The handling, storage, distribution and maintenance of liquefied petroleum gas in domestic, commercial and industrial installations – Part 4: The transportation of LP gas including the design, construction, inspection, fittings, filling, maintenance and repair of LP gas bulk vehicles and rail tank cars.</i> Gives requirements for the design, construction, inspection, fittings and the filling ratio of pressure vessels (mounted onto vehicles or rail wagons), including ISO containers and skid tanks, used in the transportation of LPG, the design of vehicles and ancillary equipment, and operating practice. It also gives requirements for the transport of containers with a water capacity not exceeding 500 L.
SANS 10102-2:2011 (Ed. 2.1)	<i>Selection of pipes for buried pipelines – Part 2: Rigid pipes. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 10111-1:2011 (Ed. 3.2)	<i>Engineering drawings – Part 1: General principles. Consolidated edition incorporating amendment No. 2.</i> Amended to change the title, to change the designation of SABS standards to SANS standards, and to update referenced standards.
SANS 10133:2011 (SABS 0133:1977)	<i>The application of pesticides in food-handling, food-processing and catering establishments.</i> Covers methods for the safe application of pesticides registered as suitable for use in food-handling, food-processing and catering establishments by registered pest control operators.
SANS 10149:2011 (Ed. 1.4)	<i>The mechanical stress grading of timber (flexural method). Consolidated edition incorporating amendment No. 4.</i> Amended to change the title, to delete the definition for "basic stress", and to modify the definition for "true E", to update the requirements for mechanical stress-grading systems, stress grades, timber to be mechanically stress graded, stress-grading operation, and marking, and to add requirements for compression breaks.
SANS 10233:2011 (Ed. 3.1)	<i>Transport of dangerous goods – Intermediate bulk containers for road and rail transport. Consolidated edition incorporating amendment No. 1.</i> Amended to align the List of packing instructions with the 15 <sup>th</sup> revised edition of the UN model regulations.
SANS 10400-D:2011 (SABS 0400:1990)	<i>The application of the National Building Regulations – Part D: Public safety.</i> Establishes requirements for safety provisions at changes in level, in the design of ramps and driveways, and in access provided to swimming pools and swimming baths.
SANS 10400-G:2011 (SABS 0400:1990)	<i>The application of the National Building Regulations – Part G: Excavations.</i> Establishes requirements for temporary excavations, permanent excavations, and blasting.
SANS 10400-O:2011 (SABS 0400:1990)	<i>The application of the National Building Regulations – Part O: Lighting and ventilation.</i> Establishes requirements for natural and artificial lighting, and natural and artificial ventilation.
SANS 10461:2006/ ISO 10461:2005	<i>Gas cylinders – Seamless aluminium-alloy gas cylinders – Periodic inspection and testing. ISO amendment No. 1.</i> Amended to modify the subclause on painting and coating.
SANS 17246:2011/ ISO 17246:2010	<i>Coal – Proximate analysis.</i> Establishes a practice for the proximate analysis of coal and is intended for general utilization by the coal industry to provide a basis for comparison of coals.
SANS 20090:2010/ ECE R90:2009	<i>Replacement brake lining assemblies and drum brake linings for power-driven vehicles and their trailers. National amendment No. 1.</i> Amended to change certain modifications in the national foreword. <i>ECE amendment No. 1.</i> Amended to change the scope, to add a new definition for a parking brake lining assembly and to renumber the remaining definitions, to change a requirement in the clause on specifications and tests, and conformity of production, and to add a new annex on technical prescriptions for replacement brake lining assemblies intended for use in separate parking brake systems being independent of the vehicle service brake system.
SANS 51276:2011/ EN 1276:2009	<i>Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic, and institutional areas – Test method and requirements (phase 2, step 1).</i> Specifies a test method and the minimum requirements for bactericidal activity of chemical disinfectant and antiseptic products that form a homogeneous, physically stable preparation when diluted with hard water or, in the case of ready-to-use products, with water.

Standard No. and year	Title, scope and purport
SANS 51650:2011/ EN 1650:2008	<i>Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic, and institutional areas – Test method and requirements (phase 2, step 1).</i> Specifies a test method and the minimum requirements for fungicidal or yeasticidal activity of chemical disinfectant and antiseptic products that form a homogeneous, physically stable preparation when diluted with hard water or, in the case of ready-to-use-products, with water.
SANS 60034-18-32:2011/ IEC 60034-18-32:2010	<i>Rotating electrical machines – Part 18-32: Functional evaluation of systems – Test procedures for form-wound windings – Evaluation by electrical endurance.</i> Describes test procedures for the evaluation of electrical endurance of insulation systems and their use or proposed use in a.c. or d.c. rotating electrical machines using form-wound windings.
SANS 60079-13:2011/ IEC 60079-13:2010 (SABS IEC 60079-13:1982)	<i>Explosive atmospheres – Part 13: Equipment protection by pressurized room "p".</i> Gives requirements for the design, construction, assessment and testing and marking of rooms protected by pressurization in a room located in an explosive gas atmosphere or explosive dust atmosphere; hazardous area that does not include an internal source of a flammable substance; a room located in an explosive gas atmosphere or explosive dust atmosphere hazardous area that includes an internal source of a flammable substance; a room located in a non-hazardous area that includes an internal source of a flammable substance.
SANS 60335-1:2011/ IEC 60335-1:2010 (SABS IEC 60335-1:2007)	<i>Household and similar electrical appliances – Safety – Part 1: General requirements.</i> Deals with the safety of electrical appliances for household and similar purposes, their rated voltage being not more than 250 V for single phase-phase appliances and 480 V for others.
SANS 60335-2-35:2011/ IEC 60335-2-35:2010 (Ed. 3.2)	<i>Household and similar electrical appliances – Safety – Part 2-35: Particular requirements for instantaneous water heaters. Consolidated edition incorporating amendment No. 2.</i> Amended to add to the introduction, to add a cautionary statement regarding challenged persons including children, to include a requirement for temperature control at shower outlets, and to add a referenced standard to the bibliography.
SANS 60598-1:2009/ IEC 60598-1:2008	<i>Luminaires – Part 1: General requirements and tests. National amendment No. 1.</i> Amended to include the national interpretation of tc.
SANS 60598-2-20:2011/ IEC 60598-2-20:2010 (SABS IEC 60598-2-20:2003)	<i>Luminaires – Part 2-20: Particular requirements – Lighting chains.</i> Specifies requirements for lighting chains fitted with series-connected or parallel-connected or a combination of series/parallel-connected incandescent lamps for use either indoors or outdoors on supply voltages not exceeding 250 V.
SANS 60601-2-10:2011/ IEC 60601-2-10:1987	<i>Medical electrical equipment – Part 2-10: Particular requirements for the safety of nerve and muscle stimulators. IEC amendment No. 1.</i> Amended to include informative matter and referenced standards, to change requirements for pulse duration, waveform, electromagnetic compatibility and test conditions, and to do editorial corrections. <i>IEC corrigendum 1 to amendment No. 1.</i> Amended to do editorial corrections in IEC amendment 1.
SANS 60853-1:2011/ IEC 60853-1:1985	<i>Calculation of the cyclic and emergency current rating of cables – Part 1: Cyclic rating factor for cables up to and including 18/30 (36) kV. IEC amendment No. 1.</i> Amended to change the definitions of W and M, to add the maximum current calculation, and to change a figure for load cycle. <i>IEC amendment No. 2.</i> Amended to change the introduction, to insert a symbol and definition of N, to change an existing rating factor equation, and to change values in a table (table IV) for soil thermal diffusivity.
SANS 60853-2:2011/ IEC 60853-2:1989	<i>Calculation of the cyclic and emergency current rating of cables – Part 2: Cyclic rating of cables greater than 18/30 (36) kV and emergency ratings for cables of all voltages. IEC amendment No. 1.</i> Amended to update referenced standards, to replace "sheath" by "metallic sheath or screen", to add requirements for single-core cables in trefoil formation and for transient temperature response, to replace equations, and to change details and examples given in annex F and units and symbols.
SANS 60947-4-1:2011/ IEC 60947-4-1:2009	<i>Low-voltage switchgear and controlgear – Part 4-1: Contactors and motor-starters – Electromechanical contactors and motor-starters.</i> Applies to types of equipment whose main contacts are intended to be connected to circuits the rated voltage of which does not exceed 1 000 V a.c. or 1 500 V d.c.
SANS 61558-2-3:2011/ IEC 61558-2-3:2010 (SABS IEC 61558-2-2:1999)	<i>Safety of transformers, reactors, power supply units and combinations thereof – Part 2-3: Particular requirements and tests for ignition transformers for gas and oil burners.</i> Deals with the safety of ignition transformers for gas and oil burners. Also covers ignition transformers that incorporate electronic circuits.
SANS 61558-2-8:2011/ IEC 61558-2-8:2010 (SABS IEC 61558-2-8:1998)	<i>Safety of transformers, reactors, power supply units and combinations thereof – Part 2-8: Particular requirements and tests for transformers and power supply units for bells and chimes.</i> Deals with the safety of bell and chime transformers and power supply units incorporating bell and chime transformers. Also covers transformers that incorporate electronic circuits.
SANS 61558-2-9:2011/ IEC 61558-2-9:2010	<i>Safety of transformers, reactors, power supply units and combinations thereof – Part 2-9: Particular requirements and tests for transformers and power supply units for class III handlamps for tungsten filament lamps.</i> Deals with the safety of transformers for class III handlamps for tungsten filament lamps and power supply units incorporating transformers for class III handlamps for tungsten filament lamps. Also covers transformers that incorporate electronic circuits.
SANS 61558-2-20:2011/ IEC 61558-2-2:2010	<i>Safety of transformers, reactors, power supply units and combinations thereof – Part 2-20: Particular requirements and tests for small reactors.</i> Deals with the safety of small reactors for general applications.
SANS 62059-31-1:2011/ IEC 62059-31-1:2008	<i>Electricity metering equipment – Dependability – Part 31-1: Accelerated reliability testing – Elevated temperature and humidity. IEC corrigendum No. 1.</i> Changed to correct the title of a referenced standard.

**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 648:1980	<i>Toilet paper.</i>
Sans 1490:1989	<i>Commercial ammunition.</i> +
SANS 5617:2001	<i>Determination of water content in leather.</i>
SANS 5625:1990	<i>Leather – determination of chromic oxide content.</i>
SANS 5626:1992	<i>Leather and footwear components – pH value and difference figure of an aqueous extract.</i>
SANS 5635:1990	<i>Shrinkage temperature of leather.</i>
SANS 5647:1993	<i>Leather, footwear upper and lining materials – Flex endurance.</i>
SANS 5651:1989	<i>Tensile strength, elongation at break, and tensile stress at specified elongation of elastomeric material (footwear).</i>
SANS 5652:1972	<i>Determination of split tear strength of elastomeric material.</i>
SANS 5664:1994	<i>Footwear materials – Abrasion resistance of elastomeric material.</i>
SANS 5670:1994	<i>Leather and footwear materials – Water vapour permeability.</i>
SANS 6073:1984	<i>Yields of tar, water, gas and coke residue from coal by low temperature distillation.</i>
SANS 6215:1993	<i>Abrasion resistance of footwear materials (Martindale).</i>
SANS 6224:1994	<i>Footwear – Electrical resistance properties.</i>
SANS 6225:1994	<i>Safety footwear – Penetration resistance.</i>
SANS 6226:1994	<i>Footwear – Compression resistance.</i>
SANS 6227:1994	<i>Footwear – Outsole bond strength.</i>
SANS 6228:1994	<i>Footwear materials – Water vapour absorption.</i>
SANS 6229:1994	<i>Footwear materials – Water vapour absorption.</i>
SANS 6230:1994	<i>Footwear – Corrosion resistance (metallic components).</i>
SANS 6231:1994	<i>Footwear materials – Absorption and desorption of water.</i>
SANS 6232:1994	<i>Safety footwear – Penetration-resistant inserts – Flexing resistance.</i>
SANS 6235:1994	<i>Footwear – Elastomeric material – Resistance to fuel oil.</i>
SANS 6236:1994	<i>Footwear – Soiling material – Hot contact resistance.</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 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.