

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

No. 375**31 May 2013**

**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 the SABS Standards Division (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 358-2:2013/ ISO 1224-2:2007	<i>Rolling bearings - Instrument precision bearings - Part 2: Boundary dimensions, tolerances and characteristics of inch series bearings.</i> Specifies the characteristics that define instrument precision rolling bearings, inch series, their types, boundary dimensions, tolerances and internal clearance, classifications used for selective assembly, torque definitions and test condition and limitations of bearing yield rates.
SANS 359-1:2013/ ISO 5753-1:2009	<i>Rolling bearings - Internal clearance - Part 1: Radial internal clearance for radial bearings.</i> Specifies values of radial internal clearance for radial contact groove ball bearings, except those for insert bearings; double-row self-aligning ball bearings; cylindrical roller bearings; needle roller bearings, except drawn cup needle roller bearings; toroidal roller bearings; double-row self-aligning roller bearings. Gives radial internal clearance values for all six types of bearing with cylindrical bore and also for double-row self-aligning ball bearings, cylindrical roller bearings, toroidal roller bearings and double-row self-aligning roller bearings with tapered bore.
SANS 1157:2013	<i>Transport of dangerous goods - Inspection requirements of road vehicles for the issue of municipal dangerous goods transport permits.</i> Covers the inspection requirements of road vehicles used to transport dangerous goods as classified in SANS 10228 and in quantities in excess of the exempted quantities as listed in SANS 10231.
SANS 1300:2013/ ISO 10004:2012	<i>Quality management - Customer satisfaction - Guidelines for monitoring and measuring.</i> Provides guidance in defining and implementing processes to monitor and measure customer satisfaction. Intended for use by organizations regardless of type, size or product provided. Focuses on customers external to the organization. Is not intended for certification or contractual purposes, nor is it intended to change any rights or obligations under applicable statutory or regulatory requirements.
SANS 1524-1-1:2013/ NRS 009-1-1:2013	<i>Electricity payment systems - Part 1-1: Mounting and terminal requirements for payment meters.</i> Specifies mounting methods and terminal requirements for single and polyphase payment meters for indoor use. Can only be used in conjunction with SANS 1524-1 and SANS 1619.
SANS 3000-2-5:2013/ RSR 2-5:2013	<i>Railway safety management - Part 2-5: Technical requirements for engineering and operational standards - Operational principles for safe movement on rail.</i> Covers the minimum requirements for regulator, industry and local standards for operational principles for safe movement on rail. Includes the operational requirements to be complied with to ensure that operational safety is appropriately addressed in all operational circumstances. Can only be used in conjunction with SANS 3000-2-1.
SANS 7146-2:2013/ ISO 7146-2:2008	<i>Plain bearings - Appearance and characterization of damage to metallic hydrodynamic bearings - Part 2: Cavitation erosion and its countermeasures.</i> Defines, describes and classifies the characteristics of damage occurring in service in hydrodynamically lubricated metallic plain bearings due to cavitation erosion, together with possible countermeasures. It assists in understanding the various characteristic forms of damage which may occur.
SANS 10591:2013/ ISO 10591:2005	<i>Building construction - Sealants - Determination of adhesion/cohesion properties of sealants after immersion in water.</i> Specifies a method for the determination of the influence of water on the adhesion cohesion properties of sealants with predominantly plastic behaviour which are used in joints in building construction.
SANS 16938-1:2013/ ISO 16938-1:2008	<i>Building construction - Determination of the staining of porous substrates by sealants used in joints - Part 1: Test with compression.</i> Specifies a method for determining the staining of porous substrates (for example marble, limestone, sandstone or granite) by sealants used in building construction.
SANS 60076-18:2013/ IEC 60076-18:2012	<i>Power transformers - Part 18: Measurement of frequency response.</i> Covers the measurement technique and measuring equipment to be used when a frequency response measurement is required on site or in the factory either when the test object is new or at a later stage.

Standard No. and year	Title, scope and purport
SANS 61386-25:2013 IEC 61386-25:2011	<i>Conduit systems for cable management - Part 25: Particular requirements - Conduit fixing devices.</i> Specifies requirements and tests for conduit fixing devices used for support or retention (or both) of conduit for cable management. Can only be used in conjunction with SANS 61386-1.
SANS 61439-3:2013/ IEC 61439-3:2012	<i>Low-voltage switchgear and controlgear assemblies - Part 3: Distribution boards intended to be operated by ordinary persons (DBO).</i> Defines the specific requirements for distribution boards intended to be operated by ordinary persons (DBO). Can only be used in conjunction with SANS 61439-1.
SANS 61869-1:2013/ IEC 61869-1:2007	<i>Instrument transformers - Part 1: General requirements.</i> Applies to newly manufactured instrument transformers with analogue or digital output for use with electrical measuring instruments or electrical protective devices with rated frequencies from 15 Hz to 100 Hz.
SANS 61869-2:2013/ IEC 61869-2:2012	<i>Instrument transformers - Part 2: Additional requirements for current transformers.</i> Applies to newly manufactured inductive current transformers for use with electrical measuring instruments or electrical protective devices (or both) with rated frequencies from 15 Hz to 100 Hz. Can only be used in conjunction with SANS 61869-1.
SANS 62282-6-200:2013/ IEC 62282-6-200:2012	<i>Fuel cell technologies - Part 6-200: Micro fuel cell power systems - Performance test methods.</i> Provides test methods which are required for the performance evaluation of micro fuel cell power systems for laptop computers, mobile phones, personal digital assistants (PDAs), cordless home appliances, TV broadcast cameras, autonomous robots, etc. Describes the performance test methods for power characteristics, fuel consumption and mechanical durability for micro fuel cell power systems with output up to 60 V d.c. and 240 VA.
SANS 62386-101:2013/ IEC 62386-101:2009	<i>Digital addressable lighting interface - Part 101: General requirements - System.</i> Specifies a protocol for control by digital signals of electronic lighting equipment used on a.c. or d.c. supplies. Can only be used in conjunction with SANS 62386-102.
SANS 62386-102:2013/ IEC 62386-102:2009	<i>Digital addressable lighting interface - Part 102: General requirements - Control gear.</i> Specifies a protocol and methods of test for the control by digital signals of electronic control gear for use on a.c. or d.c. supplies. Can only be used in conjunction with SANS 62386-101.
SANS 62386-202:2013/ IEC 62386-202:2009	<i>Digital addressable lighting interface - Part 202: Particular requirements for control gear - Self-contained emergency lighting (device type 1).</i> Specifies a protocol and test procedures for the control by digital signals of electronic control gear for use on a.c. or d.c. supplies, associated with self-contained emergency lighting. Can only be used in conjunction with SANS 62386-101 and SANS 62386-102.
SANS 62386-203:2013/ IEC 62386-203:2009	<i>Digital addressable lighting interface - Part 203: Particular requirements for control gear - Discharge lamps (excluding fluorescent lamps) (device type 2).</i> Specifies a protocol and test procedures for the control of electronic control gear by digital signals used on a.c. or d.c. supplies, associated with discharge lamps (excluding fluorescent lamps). Can only be used in conjunction with SANS 62386-101 and SANS 62386-102.
SANS 62386-204:2013/ IEC 62386-204:2009	<i>Digital addressable lighting interface - Part 204: Particular requirements for control gear - Low voltage halogen lamps (device type 3).</i> Specifies a protocol and methods of test for the control by digital signals of electronic control gear for use on a.c. or d.c. supplies, associated with low voltage halogen lamps. Can only be used in conjunction with SANS 62386-101 and SANS 62386-102.
SANS 62386-205:2013/ IEC 62386-205:2009	<i>Digital addressable lighting interface - Part 205: Particular requirements for control gear - Supply voltage controller for incandescent lamps (device type 4).</i> Specifies a protocol and test procedures for the control by digital signals of electronic control gear associated with incandescent lamps. Can only be used in conjunction with SANS 62386-101 and SANS 62386-102.
SANS 62386-207:2013/ IEC 62386-207:2009	<i>Digital addressable lighting interface - Part 207: Particular requirements for control gear - LED modules (device type 6).</i> Specifies a protocol and test procedures for the control by digital signals of electronic control gear for use on a.c. or d.c. supplies, associated with LED modules. Can only be used in conjunction with SANS 62386-101 and SANS 62386-102.
SANS 62386-208:2013/ IEC 62386-208:2009	<i>Digital addressable lighting interface - Part 208: Particular requirements for control gear - Switching function (device type 7).</i> Specifies a protocol and test methods for the control by digital signals of electronic control gear that switches its output only on and off. Can only be used in conjunction with SANS 62386-101 and SANS 62386-102.
SATS 17021-2:2013/ ISO/IEC TS 17021-2:2012	<i>Conformity assessment - Requirements for bodies providing audit and certification of management systems - Part 2: Competence requirements for auditing and certification of environmental management systems.</i> Gives requirements and recommendations to be addressed in a third-party audit report (third party = certification carried out by an auditing organization independent of the client and the user), based on the relevant requirements in SANS 17021. Has been developed to achieve a basic level of consistency and information in the content of third-party management system certification audit reports, thus increasing the credibility in the work of the audit team and certification process. Although the audit client and the certification body are the primary users of the audit report, the content of audit reports are required to satisfy the needs of other interested parties, such as the accreditation body; the regulatory authority and the scheme owner.
SATS 17022:2013/ ISO/IEC TS 17022:2012	<i>Conformity assessment - Requirements and recommendations for content of a third-party audit report on management systems.</i> Contains requirements and recommendations to be addressed in a third-party management system certification audit report based on the relevant requirements in SANS 17021.

Standard No. and year	Title, scope and purport
SATS 62612:2013/ IEC/PAS 62612:2009	<i>Self-ballasted LED-lamps for general lighting services - Performance requirements.</i> Specifies the performance requirements for self-ballasted LED lamps with a supply voltage of up to 250 V, together with the test methods and conditions required, intended for domestic and similar general lighting purposes. Applies to lamps with a rated wattage of up to 60 W, a rated voltage of up to 250 V AC or DC, and a lamp cap.

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 63:2013 (Ed. 5.5)	<i>Blankets. Consolidated edition incorporating amendment No. 5.</i> Amended to update referenced standards.
SANS 164-3:2013 (Ed. 1.2)	<i>Plug and socket-outlet systems for household and similar purposes for use in South Africa - Part 3: Conventional system, 6 A 250 V a.c. Consolidated edition incorporating amendment No. 2.</i> Amended to move a referenced standard from the bibliography to the normative references clause and delete the bibliography, to restrict the dimensions in standard sheets 3-1, 3-2 and in the annex on the gauges, and to add requirements for the multi-pin gauge. Can only be used in conjunction with SANS 164-0.
SANS 164-4:2013 (Ed. 1.2)	<i>Plug and socket-outlet systems for household and similar purposes for use in South Africa - Part 4: Dedicated system, 16 A 250 V a.c. Consolidated edition incorporating amendment No. 2.</i> Amended to move a referenced standard from the bibliography to the normative references clause, to state the phasing out period, to restrict the dimensions in standard sheets 4-1-1, 4-1-2, 4-1-3, 4-2-1, 4-2-2, 4-2-3 and in the annex on the gauges, and to add requirements for the multi-pin gauge. Can only be used in conjunction with SANS 164-0.
SANS 288:2013 (Ed. 2.1)	<i>Anti-bacterial liquid toilet soap for medical use. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards and the table on the chemical requirements of anti-bacterial soap.
SANS 289:2013 (Ed. 1.5)	<i>Labelling requirements for prepackaged products (prepackages) and general requirements for the sale of goods subject to legal metrology control. Consolidated edition incorporating amendment No. 5.</i> Amended to replace reference to "macaroni", "spaghetti", "vermicelli" and "egg noodles" with "pasta products", and to delete prescribed pack sizes for vinegar in the annex on the manner of expressing the quantity and prescribed quantities for certain products.
SANS 337:2013 (Ed. 1.1)	<i>Plugs and sockets outlets for use in the fixed installation of stoves. Consolidated edition incorporating amendment No. 1.</i> Amended to change the title, scope and the requirements of coupler to plugs and socket outlets, and to add a referenced standard.
SANS 343:2013 (Ed. 4.3)	<i>Steel bedside lockers. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards.
SANS 370:2013 (Ed. 1.2)	<i>Steel mesh reinforced polyethylene (PE) pipes for water supply. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 429:2013/ ISO 6281:2007 (SANS 429:2005)	<i>Plain bearings - Testing under conditions of hydrodynamic and mixed lubrication in test rigs.</i> Establishes guidelines for the testing of lubricated plain journal bearings in test rigs, running under conditions of hydrodynamic or mixed lubrication, during bearing and/or material development. Deals with both static and dynamic loading in solid and multi-layer journal bearings. Not applicable to the testing of dynamic characteristics of lubricant film in journal bearings applied in calculation of vibration and stability of turbo-rotors.
SANS 636:2013 (Ed. 4.1)	<i>Disinfectants based on quaternary ammonium compounds. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 639:2013 (Ed. 3.1)	<i>Detergent-disinfectants based on quaternary ammonium compounds. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 643:2013 (Ed. 2.2)	<i>Disinfectants based on stabilized inorganic chlorine compounds. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 660:2013 (Ed. 3.6)	<i>School furniture. Consolidated edition incorporating amendment No. 6.</i> Amended to change the title, amended to include reference to a national department in the foreword, to update referenced standards, and to add an appendix on classroom furniture.
SANS 761:2013 (Ed. 2.2)	<i>Plumage fillings. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 819:2013 (Ed. 3.5)	<i>Fibre-cement pipes, couplings and fittings for sewerage, drainage and low-pressure irrigation. Consolidated edition incorporating amendment No. 5.</i> Amended to update referenced standards.
SANS 876:2013/ NRS 012:2013 (SANS 876:2009)	<i>Cable terminations and live conductors within air-filled enclosures (insulation co-ordination) for rated a.c. voltages from 7,2 kV up to and including 36 kV.</i> Covers requirements for enclosures for the termination of cables and for the housing of live conductors in air, for use indoors or outdoors, at rated a.c. voltages from 7,2 kV up to and including 36 kV.

Standard No. and year	Title, scope and purport
SANS 890-2:2013 (Ed. 3.2)	<i>Ballasts for fluorescent lamps - Part 2: Ballasts for lamps for operation without starters (class B lamps). Consolidated edition incorporating amendment No. 2.</i> Amended to update a referenced standard.
SANS 966-1:2013 (Ed. 3.6)	<i>Components of pressure pipe systems - Part 1: Unplasticized poly(vinyl chloride) (PVC-U) pressure pipe systems. Consolidated edition incorporating amendment No. 6.</i> Amended to update normative references, to add a requirement restricting the use of certain additives, and to update the table on the maximum content of extract.
SANS 966-2:2013 (Ed. 1.7)	<i>Components of pressure pipe systems - Part 2: Modified poly(vinyl chloride)(PVC-M) pressure pipe systems. Consolidated edition incorporating amendment No. 7.</i> Amended to update normative references, to add a requirement restricting the use of certain additives, and to update the table on the maximum content of extract.
SANS 967:2013 (Ed. 2.5)	<i>Unplasticized poly(vinyl chloride) (PVC-U) soil, waste and vent pipes and pipe fittings. Consolidated edition incorporating amendment No. 5.</i> Amended to update the general requirements for pipes and pipe fittings and to update a referenced standard.
SANS 972-1:2013 (Ed. 2.4)	<i>Signs for street and property identification - Part 1: Retro-reflective signs. Consolidated edition incorporating amendment No. 4.</i> Amended to update referenced standards.
SANS 1032:2013 (Ed. 3.1)	<i>Detergent-disinfectants based on stabilized inorganic chlorine compounds. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 1196:2013 (Ed. 3.1)	<i>Detergent-disinfectants based on organic halogen compounds (other than iodine compounds). Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 1263-2:2013 (Ed. 1.2)	<i>Safety and security glazing materials for buildings - Part 2: Burglar-resistant and vandal-resistant glazing materials. Consolidated edition incorporating amendment No. 2.</i> Amended to correct cross-references to a normative document.
SANS 1283:2013 (Ed. 1.6)	<i>Modified poly(vinyl chloride) (PVC-M) pressure pipe and couplings for cold water services in underground mining. Consolidated edition incorporating amendment No. 6.</i> Amended to add restrictions for additives, and to update referenced standards.
SANS 1382-1:2013 (Ed. 2.3)	<i>Hose - Part 1: Men's and women's hose for institutional use. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards, and to move reference to a national body to the foreword.
SANS 1476:2013 (Ed. 1.3)	<i>Fabricated flanged steel pipework. Consolidated edition incorporating amendment No. 3.</i> Amended to update a referenced standard.
SANS 1528-1:2013 (Ed. 1.2)	<i>Furniture - Part 1: Seating. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards, to add requirements for seating dimensions and to correct numbering and cross-references accordingly, to move the bibliography out of annex C to the end of the document and to correct cross-references accordingly, and to rename annex C as "Dimensions of seating types".
SANS 1528-2:2013 (Ed. 1.3)	<i>Furniture - Part 2: Desks, tables and computer stands. Consolidated edition incorporating amendment No. 3.</i> Amended to include reference to a national department in the foreword, to update referenced standards, to add requirements for dimensions of office furniture and to correct numbering accordingly, to move the bibliography out of annex B to the end of the document and to correct cross-references accordingly, and to rename annex B as "Dimensions of office furniture".
SANS 1528-3:2013 (Ed. 1.3)	<i>Furniture - Part 3: Storage units. Consolidated edition incorporating amendment No. 3.</i> Amended to include reference to a national department in the foreword, to update referenced standards, to add requirements for the dimensions of storage units and to correct numbering accordingly, to move the bibliography out of annex C to the end of the document and to correct cross-references accordingly, and to rename annex C as "Dimensions of storage units".
SANS 1574-4:2013 (Ed. 1.1)	<i>Electric flexible cables with solid extruded dielectric insulation - Part 4: Rubber-insulated cables for domestic, office and similar environments (cords). Consolidated edition incorporating amendment No. 1.</i> Amended to change the title, to include type R9 cords and requirements for solderability of plain conductors, to change requirements for core identification, to delete requirements for tinsel cords and separation resistance, to add specific requirements for type R5 cords, and to delete the dates in dated normative references where the dates were not required.
SANS 1597:2013 (Ed. 2.1)	<i>Antiseptics based on chlorhexidine gluconate. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 1668:2013 (Ed. 1.2)	<i>Fibre-reinforced plastics (FRP) tanks for buried (underground) storage for petroleum products. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 1673:2013 (Ed. 2.1)	<i>Disinfectants based on organic halogen compounds (other than iodine compounds). Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 1674:2013 (Ed. 1.2)	<i>Disinfectants based on iodophors. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 1793:2013 (SANS 1793:2006)	<i>Evidential breath analysers.</i> Applies to evidential breath analysers (EBAs) which are instruments that automatically measure the mass concentration of alcohol in exhaled breath. Does not apply to screening devices which only detect ethanol without providing a sufficiently reliable measurement. Defines the performance requirements of EBAs and the means and methods employed in type approval testing calibration.
SANS 1830:2013 (Ed. 1.2)	<i>Flexible piping for underground use at service stations and consumer installations. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards, and to modify the requirements for fuel 3.
SANS 3001-AG1:2013 (Ed. 1.1)	<i>Civil engineering test methods - Part AG1: Particle size analysis of aggregates by sieving. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.

Standard No. and year	Title, scope and purport
SANS 3001-GR1:2013 (Ed. 1.2)	<i>Civil engineering test methods - Part GR1: Wet preparation and particle size analysis. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 3001-GR10:2013 (Ed. 1.2)	<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. 2.</i> Amended to update referenced standards.
SANS 3001-GR11:2013 (Ed. 1.2)	<i>Civil engineering test methods - Part GR11: Determination of the liquid limit with the two-point method. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 3001-GR12:2013 (Ed. 1.2)	<i>Civil engineering test methods - Part GR12: Determination of the flow curve liquid limit. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 3001-GR30:2013 (Ed. 1.1)	<i>Civil engineering test methods - Part GR30: Determination of the maximum dry density and optimum moisture content. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 3001-GR40:2013 (Ed. 1.1)	<i>Civil engineering test methods - Part GR40: Determination of the California bearing ratio. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 5855:2013 (Ed. 2.1)	<i>Free water content of aggregates. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards and to modify the formula for water content.
SANS 7203-1:2013/ ISO 7203-1:2011 (SANS 7203-1:2007)	<i>Fire extinguishing media - Foam concentrates - Part 1: Specification for low expansion foam concentrates for top application to water-immiscible liquids.</i> Specifies the essential properties and performance of liquid foam concentrates used to make low expansion foams for the control, extinction and inhibition of the reignition of fires of water-immiscible liquids. Also specifies the minimum performance of certain test fires.
SANS 7203-2:2013/ ISO 7203-2:2011 (SANS 7203-2:2007)	<i>Fire extinguishing media - Foam concentrates - Part 2: Specification for medium- and high-expansion foam concentrates for top application to water-immiscible liquids.</i> Specifies the essential properties and performance of liquid foam concentrates used to make medium -or high-expansion foams or both for the control, extinction and inhibition of reignition of fires of water-immiscible liquids. Specifies minimum performance on certain test fires.
SANS 7203-3:2013/ ISO 7203-3:2011 (SANS 7203-3:2007)	<i>Fire extinguishing media - Foam concentrates - Part 3: Specification for low expansion foam concentrates for top application to water-miscible liquids.</i> Specifies the essential properties and performance of liquid foam concentrates used to make low-expansion foams for the control, extinction and inhibition of reignition of fires of water-miscible liquids. Specifies minimum performance on certain test fires.
SANS 10222-1:2013 (Ed. 1.3)	<i>Electrical security installations - Part 1: General. Consolidated edition incorporating amendment No. 3.</i> Amended to move reference to South African legislation in the text to the foreword.
SANS 10242-1:2013 (SABS 0242-1:1999)	<i>The rewinding and refurbishing of rotating electrical machines - Part 1: Low-voltage three-phase induction motors.</i> Establishes general principles for the rewinding and refurbishing of low-voltage three-phase alternating current induction motors of the cage and wound rotor (slip-ring) types, with rated output not exceeding 1 000 kW, for rated voltages not exceeding 1 100 V between phases, at a service frequency of 50 Hz including motors intended for variable speed applications. Also covers motors with random-wound (mush) coils and form-wound coils.
SANS 10280-1:2013/ NRS 041-1:2013 (SANS 10280-1:2008)	<i>Overhead power lines for conditions prevailing in South Africa - Part 1: Safety.</i> Specifies mechanical and electrical safety requirements of overhead power lines including requirements for supports, the conductor system, clearances and crossings.
SANS 10563:2013/ ISO 10563:2005 (SABS ISO 10563:1991)	<i>Building construction - Sealants - Determination of change in mass and volume.</i> Specifies a method for the determination of the change of mass and the change of volume of sealants used in joints in building construction.
SANS 60269-3:2013/ IEC 60269-3:2013 (Ed. 3.1)	<i>Low-voltage fuses - Part 3: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household and similar applications) - Examples of standardized systems of fuses A to F. Consolidated edition incorporating amendment No. 1.</i> Amended to delete the introduction, to add a rated current of 32 A in a table for maximum values of power dissipation and in a table for the values of discrimination with current-breakers, to delete the requirements for fuse system D (cylindrical fuses) and fuse system E (pin-type fuses), to replace figures on time-current zones for "gG" fuse-links, to add a figure on test dummies DII, DIII, D01, D02 and D03 for the fuse-carrier test, and to update a referenced standard. Can only be used in conjunction with SANS 60269-1.
SANS 60601-2-19:2009/ IEC 60601-2-19:2009	<i>Medical electrical equipment - Part 2-19: Particular requirements for the basic safety and essential performance of infant incubators. IEC corrigendum No. 1.</i> Changed to replace the table on additional essential performance requirements of infant incubators (table 201.101), and to correct cross-references to the numbers of two subclauses (on sound level within the compartment and on warm-up time). Can only be used in conjunction with SANS 60601-1.
SANS 60601-2-20:2009/ IEC 60601-2-20:2009	<i>Medical electrical equipment - Part 2-20: Particular requirements for the basic safety and essential performance of infant transport incubators. IEC corrigendum No. 1.</i> Changed to replace the table on additional essential performance requirements of infant incubators (table 201.101), and to correct a cross-reference to the number of a subclause on sound level within the compartment. Can only be used in conjunction with SANS 60601-1.
SANS 60705:2013/ IEC 60705:2010 (SANS 60705:2006)	<i>Household microwave ovens - Methods for measuring performance.</i> Applies to microwave ovens for household use and to combination microwave ovens. Defines the main performance characteristics of household microwave ovens that are of interest to the user, and specifies methods for measuring these characteristics.
SANS 60838-2-2:2013/ IEC 60838-2-2:2012 (Ed. 1.1)	<i>Miscellaneous lampholders - Part 2-2: Particular requirements - Connectors for LED-modules. Consolidated edition incorporating amendment No. 1.</i> Amended to include a normative reference, to clarify a requirement for standard ratings, and to insert information on heat management. Can only be used in conjunction with SANS 60838-1.

Standard No. and year	Title, scope and purport
SANS 60851-6:2013/ IEC 60851-6:2012 (SABS IEC 60851-6:1996)	<i>Winding wires - Test methods - Part 6: Thermal properties.</i> Specifies test 9: heat shock, test 10: cut-through, test 15: temperature index and test 21: loss of mass.
SANS 60900:2013/ IEC 60900:2012 (SANS 60900:2006)	<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 60947-4-1:2013/ IEC 60947-4-1:2012 (Ed. 3.1)	<i>Low-voltage switchgear and controlgear - Part 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards, to add definitions, to add requirements for pole impedance of contactors, dielectric properties and tests, compliance with constructional requirements, and operating limits, to add a new table on making and breaking capacities, conventional operational performance and a value of the prospective test current according to the rated operational current, to add a figure on voltage drop measurement for a three-pole contactor, to add a figure on voltage drop measurement at contact point of the clamping terminal, to delete requirements for control circuit, limits of operations and the annex on examples of control circuit configurations, and to add requirements in the annex on extended functions to electronic overload relays. Can only be used in conjunction with SANS 60947-1.
SANS 60947-5-2:2013/ IEC 60947-5-2:2012 (Ed. 3.1)	<i>Low-voltage switchgear and controlgear - Part 5-2: Control circuit devices and switching elements - Proximity switches. Consolidated edition incorporating amendment No. 1.</i> Amended to modify a table for connection and wiring identification, to modify voltage dips and voltage interruptions in a table for immunity tests, and to update referenced standards.
SANS 61056-2:2013/ IEC 61056-2:2012 (SANS 61056-2:2003)	<i>General purpose lead-acid batteries (valve-regulated types) - Part 2: Dimensions, terminals and marking.</i> Specifies the dimensions, terminals and marking for all general purpose lead-acid cells and batteries of the valve regulated type. <i>IEC corrigendum No. 1.</i> Corrected to replace the figure on lead-type terminal.
SANS 61199:2013/ IEC 61199:2012 (Ed. 3.1)	<i>Single-capped fluorescent lamps - Safety specifications. Consolidated edition incorporating amendment No. 1.</i> Amended to modify the introduction, include an introduction to the amendment, add information to the scope, modify the table on "maximum allowable currents and rated lamp power" and add a referenced standard to the bibliography.
SANS 61643-21:2013/ IEC 61643-21:2012 (Ed. 1.2)	<i>Low-voltage surge protective devices - Part 21: Surge protective devices connected to telecommunications and signalling networks - Performance requirements and testing methods. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards, to add definitions, to add requirements for temperature and humidity tests, marking, the voltage-limiting test, insulation resistance, impulse reset, current-limiting tests and high temperature and humidity endurance, to add an annex for basic configurations for measuring voltage protection levels, and to delete requirements for simultaneous surge on all protected conductors.
SANS 62217:2013/ IEC 62217:2012 (SANS 62217:2006)	<i>Polymeric HV insulators for indoor and outdoor use - General definitions, test methods and acceptance criteria.</i> Applies to polymeric insulators whose insulating body consists of one or various organic materials. Polymeric insulators covered by this standard include both solid core and hollow insulators. They are intended for use on overhead lines and in indoor and outdoor equipment with a rated voltage greater than 1 000 V.
SANS 62271-100:2013/ IEC 62271-100:2012 (Ed. 2.1)	<i>High-voltage switchgear and controlgear - Part 100: Alternating-current circuit-breakers. Consolidated edition incorporating amendment No. 1.</i> Amended to include the introduction of harmonized (IEC and IEEE) transient recovery voltage (TRV) wave shapes for rated voltages of 100 kV and above, to introduce a cable and line systems with their associated TRVs for rated voltages below 100 kV, to update referenced standards, to add definitions, to add a table for rated insulation levels for rated voltages of 1 100 kV and 1 200 kV and peak factors for rated short-circuit making current, and to add requirements for rated peak withstand current, rated break time, voltage test as a condition check, miscellaneous provisions for making and breaking test, short-line fault test, out-of-phase making and breaking test and selection of rated values for fault condition. <i>IEC corrigendum No. 1.</i> Corrected to replace preconditioning test requirements in the clause on class C2 test-duties. Can only be used in conjunction with SANS 62271-1.
SANS 62271-101:2013/ IEC 62271-101:2012 (SANS 62271-101:2011)	<i>High-voltage switchgear and controlgear - Part 101: Synthetic testing.</i> Applies to a.c. circuit-breakers within the scope of IEC 62271-100 (published in South Africa as an identical adoption under the designation SANS 62271-100). Provides the general rules for testing a.c. circuit-breakers, for making and breaking capacities over the range of test duties by synthetic methods. Establishes criteria for synthetic testing and for the proper evaluation of results. Can only be used in conjunction with SANS 62271-100.
SANS 62271-105:2013/ IEC 62271-105:2012 (SANS 62271-105:2003)	<i>High-voltage switchgear and controlgear - Part 105: Alternating current switch-fuse combinations for rated voltages above 1 kV up to and including 52 kV.</i> Applies to three-pole units for public and industrial distribution systems that are functional assemblies of switches including switch-disconnectors and current-limiting fuses designed so as to be capable of breaking, at the rated recovery voltage, any current up to and including the rated short-circuit breaking current, and making, at the rated voltage, circuits to which the rated short-circuit breaking current applies. Does not apply to fuse-circuit-breakers, fuse-contactors, combinations for motor-circuits or to combinations incorporating single capacitor bank switches. Can only be used in conjunction with SANS 62271-1.
SANS 62271-110:2013/ IEC 62271-110:2012 (SANS 62271-110:2009)	<i>High-voltage switchgear and controlgear - Part 110: Inductive load switching.</i> Applies to a.c. circuit-breakers designed for indoor or outdoor installation, for operation at frequencies of 50 Hz and 60 Hz on systems with voltages above 1 000 V and applied for inductive current switching with or without additional short-circuit current breaking duties. <i>IEC corrigendum No. 1.</i> Corrected to replace a subclause on test circuits. Can only be used in conjunction with SANS 62271-1 and SANS 62271-100.

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 69:2004	<i>Framework for setting and implementing national ambient air quality standards.</i>
SANS 6157:2007	<i>Fineness of cement extenders (45 µm sieve method).</i>
SANS 60034-18-21:1992	<i>Rotating electrical machines - Part 18: Functional evaluation of insulation systems - Section 21: Test procedures for wire-wound windings - Thermal evaluation and classification.</i>
SANS 60034-18-31:1992	<i>Rotating electrical machines - Part 18: Functional evaluation of insulation systems - Section 31: Test procedures for form-wound windings - Thermal evaluation and classification of insulation systems used in machines up to and including 50 MVA and 15 kV.</i>
SANS 60034-18-34:2006	<i>Rotating electrical machines - Part 18-34: Functional evaluation of insulation systems - Test procedures for form-wound windings - Evaluation of thermomechanical endurance of insulation systems.</i>
SANS 61347-2-5:2000	<i>Lamp controlgear - Part 2-5: Particular requirements for d.c. supplied electronic ballasts for public transport lighting.</i>
SANS 61347-2-6:2000	<i>Lamp controlgear - Part 2-6: Particular requirements for d.c. supplied electronic ballasts for aircraft lighting.</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.