DEPARTMENT OF TRADE AND INDUSTRY
DEPARTEMENT VAN HANDEL EN NYWERHEID

No. 272 **12 April 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 556-2-1:2012	*Low-voltage switchgear - Part 2-1: Earth leakage circuit-breakers.* Covers earth leakage circuit-breakers (ELCBs), the main contacts of which are intended to be connected to circuits with rated voltages that do not exceed 1 000 V a.c. or 1 500 V d.c.
SANS 556-2-3:2012	*Low-voltage switchgear - Part 2-3: Modular earth leakage devices (without integral current breaking).* Covers modular earth leakage devices (MELDs) that do not incorporate a current-breaking device, for use in circuits with rated voltages that do not exceed 1 000 V a.c. or 1 500 V d.c.
SANS 556-2-4:2012	*Low-voltage switchgear - Part 2-4: Portable earth leakage devices without integral overcurrent protection for household and similar use.* Covers portable earth leakage devices (PELDs) for household and similar use, that do not incorporate overcurrent protection, for use in single-phase circuits for rated currents that do not exceed 16 A for voltages that do not exceed 250 V a.c. or for rated currents that do not exceed 32 A for voltages that do not exceed 130 V a.c. to earth.
SANS 1165:2012	*Modified poly(vinyl chloride) (PVC-M) pressure pipes and couplings for compressed air services in underground mining.* Specifies requirements for one pressure class (700 kPa) of modified poly(vinyl chloride) (PVC-M) pipe of nominal sizes 50 mm to 500 mm and one class of coupling for these pipes suitable for the conveyance of compressed air.
SANS 1264:2012	*Garbage bin liners.* Specifies the general characteristics, requirements and test methods for garbage bags and bin liners made from thermoplastic materials containing a minimum of 10 % of post-consumer recyclate that ensures fitness for purpose.
SANS 1299:2012	*Tempering valves for storage hot water systems.* Covers the requirements for tempering valves for storage hot water systems particularly in domestic situations, where hot water poses a hazard. These valves are intended to prevent scalding in locations such as homes, schools, motels and residential premises, where ideally all hot water outlets should be sourced from a tempering valve. Applies to valves suitable for water inlet temperatures of up to 100 °C.
SANS 1536:2012/ ISO 11432:2005	*Building construction - Sealants - Determination of resistance to compression.* Specifies a method for the determination of the resistance to compression of sealants used in joints in building construction.
SANS 1574-2:2012	*Electric flexible cables with solid extruded dielectric insulation - Part 2: PVC insulated flexible cables for domestic, office and similar environments (cords).* Specifies the characteristics of single-core flexible insulated wires and multi-core flexible cords, of rated operating voltage up to and including 300 V to earth and 500 V between conductors, and is intended for use with electrical appliances in domestic, office and similar applications. Insulating and sheathing materials of PVC are covered.
SANS 3001-AG15:2012	*Civil engineering test methods - Part AG15: Determination of rock durability using 10 % FACT (fines aggregate crushing test) values after soaking in ethylene glycol.* Applies to aggregates and describes a method for determining the 10 % FACT value of ethylene glycol soaked aggregate.
SANS 3001-AG23:2012	*Civil engineering test methods - Part AG23: Particle and relative densities of aggregates.* Specifies methods for determining the particle and relative densities of aggregates using the volumetric (pycnometer) method for fine and coarse aggregates.
SANS 3001-GR3:2012	*Civil engineering test methods - Part GR3: Particle size analysis of material smaller than 2 mm (hydrometer method).* Covers the particle size analysis of material smaller than 2 mm using a hydrometer.

Standard No. and year	Title, scope and purport
SANS 3001-GR5:2012	*Civil engineering test methods - Part GR5: Wet preparation and air-drying of samples for plasticity index and hydrometer tests.* Describes a procedure to prepare air-dried samples for the determination of the plasticity index (PI) and the hydrometer analysis.
SANS 7202:2012/ ISO 7202:2012	*Fire protection - Fire extinguishing media - Powder.* Specifies requirements for the chemical and physical properties, and for minimum performance in defined test methods, of fire extinguishing powders suitable for use against fires of classes A, B, C and D. Requirements are also given for the information and data to be declared by the manufacturer.
SANS 11431:2012/ ISO 11431:2002	*Building construction - Jointing products - Determination of adhesion/cohesion properties of sealants after exposure to heat, water and artificial light through glass.* Specifies a method for the determination of the adhesion/cohesion properties of sealants after cyclic exposure to heat and artificial light followed by a period of exposure to water at a defined temperature.
SANS 11527:2012/ ISO 11527:2010	*Building construction - Sealants - Test method for the determination of stringiness.* Specifies a method for the determination of the stringiness of a wet-applied sealant.
SANS 13053-1:2012/ ISO 13053-1:2011	*Quantitative methods in process improvement - Six Sigma - Part 1: DMAIC methodology.* Describes a methodology for the business improvement methodology known as Six Sigma, which comprises five phases: define, measure, analyse, improve and control (DMAIC).
SANS 13053-2:2012/ ISO 13053-2:2011	*Quantitative methods in process improvement - Six Sigma - Part 2: Tools and techniques.* Covers the tools and techniques, illustrated by factsheets, to be used at each phase of the DMAIC approach.
SANS 13638:2012/ ISO 13638:1996	*Building construction - Sealants - Determination of resistance to prolonged exposure to water.* Specifies a method for the determination of the ability of sealants to resist differing degrees of exposure to water under conditions of service.
SANS 13640:2012/ ISO 13640:1999	*Building construction - Jointing products - Specifications for test substrates.* Specifies the procedures for producing substrates of mortar, glass and anodized aluminium used for testing sealants.
SANS 16938-2:2012/ ISO 16938-2:2008	*Building construction - Determination of the staining of porous substrates by sealants used in joints - Part 2: Test without compression.* Specifies a method for determining the staining of porous substrates (e.g. marble, limestone, sandstone, or granite) by sealants used in building construction.
SANS 17065:2012/ ISO/IEC 17065:2012	*Conformity assessment - Requirements for bodies certifying products, processes and services.* Contains requirements for the competence, consistent operation and impartiality of product, process and service certification bodies.
SANS 19137:2012/ ISO 19137:2007	*Geographic information - Core profile of the spatial schema.* Defines a core profile of the spatial schema specified in ISO 19107 that specifies, in accordance with ISO 19106, a minimal set of geometric elements necessary for the efficient creation of application schemata. Supports many of the spatial data formats and description languages already developed and in broad use within several nations or liaison organizations.
SANS 19795-7:2012/ ISO/IEC 19795-7:2011	*Information technology - Biometric performance testing and reporting - Part 7: Testing of on-card biometric comparison algorithms.* Establishes a mechanism for measuring the core algorithmic capabilities of biometric comparison algorithms.
SANS 60320-2-4:2012/ IEC 60320-4:2009 (Ed. 1.1) First SANS edition	*Appliance couplers for household and similar general purposes - Part 2-4: Couplers dependent on appliance weight for engagement.* Applicable to two-pole appliance couplers for a.c. only, with or without earthing contact, with a rated voltage not exceeding 250 V and a rated current not exceeding 16 A, for household and similar general purposes and intended for incorporation or integration in electric appliances or other electric equipment of multi-part construction for 50 Hz or 60 Hz supply which depend on the weight of the appliance to ensure correct engagement.
SANS 60811-100:2012/ IEC 60811-100:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 100: General.* Describes general requirements and considerations that are applicable to all the test methods given in the particular parts, unless otherwise specified.
SANS 60811-201:2012/ IEC 60811-201:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 201: General tests - Measurement of insulation thickness.* Gives the methods for measuring the insulation thicknesses which apply to the most common types of insulating compounds (cross-linked, PVC, PE, PP, etc.). Can only be used in conjunction with SANS 60811-100.
SANS 60811-202:2012/ IEC 60811-202:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 202: General tests - Measurement of thickness of non-metallic sheath.* Gives the methods for measuring thicknesses of non-metallic sheath which apply to the most common types of sheathing compounds (cross-linked, PVC, PE, PP, etc.). Can only be used in conjunction with SANS 60811-100.
SANS 60811-203:2012/ IEC 60811-203:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 203: General tests - Measurement of overall dimensions.* Gives the methods for measuring overall dimensions and is applicable to all types of cable, circular and flat. Can only be used in conjunction with SANS 60811-100.
SANS 60811-301:2012/ IEC 60811-301:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 301: Electrical tests - Measurement of the permittivity at 23 °C of filling compounds.* Gives the procedure to determine the permittivity at 23 °C, which typically applies to filling compounds used for optical cables, communication cables and optical fibre cables. Can only be used in conjunction with SANS 60811-100.

Standard No. and year	Title, scope and purport
SANS 60811-302:2012/ IEC 60811-302:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 302: Electrical tests - Measurement of the d.c. resistivity at 23 °C and 100 °C of filling compounds.* Gives the procedure to examine the d.c. resistivity at 23 °C and 100 °C, which typically applies to filling compounds used for communication cables and optical fibre cables. Can only be used in conjunction with SANS 60811-100.
SANS 60811-401:2012/ IEC 60811-401:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 401: Miscellaneous tests - Thermal ageing methods - Ageing in an air oven.* Specifies the procedure for ageing in an air oven, which typically applies to crosslinked and thermoplastic compounds used for insulating and sheathing materials. Can only be used in conjunction with SANS 60811-100.
SANS 60811-402:2012/ IEC 60811-402:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 402: Miscellaneous tests - Water absorption tests.* Describes water absorption tests, which typically apply to cross-linked and thermoplastic compounds used for insulating and sheathing materials. Can only be used in conjunction with SANS 60811-100.
SANS 60811-403:2012/ IEC 60811-403:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 403: Miscellaneous tests - Ozone resistance test on cross-linked compounds.* Specifies the method for the ozone resistance test, which typically applies to cross-linked compounds. Can only be used in conjunction with SANS 60811-100.
SANS 60811-404:2012/ IEC 60811-404:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 404: Miscellaneous tests - Mineral oil immersion tests for sheaths.* Specifies the method for a mineral oil immersion test, which typically applies to cross-linked compounds used for sheathing materials. Can only be used in conjunction with SANS 60811-100.
SANS 60811-405:2012/ IEC 60811-405:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 405: Miscellaneous tests - Thermal stability test for PVC insulations and PVC sheaths.* Specifies the procedure for the thermal stability test which applies to PVC compounds. Can only be used in conjunction with SANS 60811-100.
SANS 60811-406:2012/ IEC 60811-406:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 406: Miscellaneous tests - Resistance to stress cracking of polyethylene and polypropylene compounds.* Gives the procedure for evaluating the resistance to stress cracking of polyethylene and polypropylene compounds that are typically used for communication and optical fibre cables. Can only be used in conjunction with SANS 60811-100.
SANS 60811-407:2012/ IEC 60811-407:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 407: Miscellaneous tests - Measurement of mass increase of polyethylene and polypropylene compounds.* Gives the procedure to examine possible interaction between insulation material and filling compound of filled cable. Can only be used in conjunction with SANS 60811-100.
SANS 60811-408:2012/ IEC 60811-408:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 408: Miscellaneous tests - Long-term stability test of polyethylene and polypropylene compounds.* Gives the procedure to establish whether or not the quality of a cable's components will be satisfactory over the proposed life of a communication cable. Can only be used in conjunction with SANS 60811-100.
SANS 60811-409:2012/ IEC 60811-409:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 409: Miscellaneous tests - Loss of mass test for thermoplastic insulations and sheaths.* Gives the procedure for measuring the loss of mass that normally applies to PVC insulations and sheaths. Can only be used in conjunction with SANS 60811-100.
SANS 60811-410:2012/ IEC 60811-410:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 410: Miscellaneous tests - Test method for copper-catalyzed oxidative degradation of polyolefin insulated conductors.* Gives the procedure for copper-catalyzed oxidative degradation of a polyolefin, which is typically used for insulation in communication cables. Can only be used in conjunction with SANS 60811-100.
SANS 60811-411:2012/ IEC 60811-411:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 411: Miscellaneous tests - Low-temperature brittleness of filling compounds.* Gives the procedure to evaluate lower temperature brittleness that typically applies to filling compounds used for communication and optical fibre cables. Can only be used in conjunction with SANS 60811-100.
SANS 60811-412:2012/ IEC 60811-412:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 412: Miscellaneous tests - Thermal ageing methods - Ageing in an air bomb.* Gives the procedure for ageing in an air bomb, which typically applies to crosslinked and thermoplastic compounds used for insulating and sheathing materials. Can only be used in conjunction with SANS 60811-100.
SANS 60811-501:2012/ IEC 60811-501:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 501: Mechanical tests - Tests for determining the mechanical properties of insulating and sheathing compounds.* Gives the procedure for determining mechanical properties, and which typically applies to cross-linked and thermoplastic compounds used for insulating and sheathing materials. Can only be used in conjunction with SANS 60811-100.
SANS 60811-502:2012/ IEC 60811-502:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 502: Mechanical tests - Shrinkage test for insulations.* Gives the test method for the shrinkage for insulations. Can only be used in conjunction with SANS 60811-100.
SANS 60811-503:2012/ IEC 60811-503:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 503: Mechanical tests - Shrinkage test for sheaths.* Gives the test method for the shrinkage for sheaths. Can only be used in conjunction with SANS 60811-100.

Standard No. and year	Title, scope and purport
SANS 60811-504:2012/ IEC 60811-504:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 504: Mechanical tests - Bending tests at low temperature for insulation and sheaths.* Gives the procedure for performing bending tests at low temperature on extruded insulations and sheaths. Can only be used in conjunction with SANS 60811-100.
SANS 60811-505:2012/ IEC 60811-505:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 505: Mechanical tests - Elongation at low temperature for insulations and sheaths.* Gives the procedure for performing elongation tests at low temperature on extruded insulations and sheaths. Can only be used in conjunction with SANS 60811-100.
SANS 60811-506:2012/ IEC 60811-506:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 506: Mechanical tests - Impact test at low temperature for insulations and sheaths.* Gives the procedure for performing impact tests at low temperature on extruded insulations and sheaths. Can only be used in conjunction with SANS 60811-100.
SANS 60811-507:2012/ IEC 60811-507:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 507: Mechanical tests - Hot set test for cross-linked materials.* Gives the procedure for the hot set test, which typically applies to cross-linkable compounds used for insulating and sheathing materials. Can only be used in conjunction with SANS 60811-100.
SANS 60811-508:2012/ IEC 60811-508:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 508: Mechanical tests - Pressure test at high temperature for insulation and sheaths.* Gives the procedure for a pressure test at high temperature, which typically applies to thermoplastic compounds used for insulating and sheathing materials. Can only be used in conjunction with SANS 60811-100.
SANS 60811-509:2012/ IEC 60811-509:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 509: Mechanical tests - Test for resistance of insulations and sheaths to cracking (heat shock test).* Gives the procedure for the test for resistance of insulations and sheaths to cracking at an elevated temperature. Can only be used in conjunction with SANS 60811-100.
SANS 60811-510:2012/ IEC 60811-510:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 510: Mechanical tests - Methods specific to polyethylene and polypropylene compounds - Wrapping test after thermal ageing in air.* Specifies the test method for a wrapping test after thermal ageing in air. It applies specifically to polyolefin insulation in communication cables. Can only be used in conjunction with SANS 60811-100.
SANS 60811-511:2012/ IEC 60811-511:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 511: Mechanical tests - Measurement of the melt flow index of polyethylene compounds.* Describes the procedure for the measurement of the melt flow index for polyethylene compounds. Can only be used in conjunction with SANS 60811-100.
SANS 60811-512:2012/ IEC 60811-512:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 512: Mechanical tests - Methods specific to polyethylene and polypropylene compounds - Tensile strength and elongation at break after conditioning at elevated temperature.* Describes the procedure for testing tensile strength and elongation at break after conditioning at elevated temperature. It is specific to polyethylene and polypropylene compounds. Can only be used in conjunction with SANS 60811-100.
SANS 60811-513:2012/ IEC 60811-513:2012	*Electric and optical fibre cables - Test methods for non-metallic materials - Part 513: Mechanical tests - Methods specific to polyethylene and polypropylene compounds - Wrapping test after conditioning.* Gives procedures for a wrapping test after conditioning at elevated temperature. It applies specifically to polyethylene and polypropylene insulation. Can only be used in conjunction with SANS 60811-100.
SANS 60884-2-7:2012/ IEC 60884-2-7:2011	*Plugs and socket-outlets for household and similar purposes - Part 2-7: Particular requirements for cord extension sets.* Applies to cord extension sets, rewirable and non-rewirable, with or without earthing contact, with a rated voltage greater than 50 V but not exceeding 440 V and a rated current not exceeding 16 A, intended for household and similar purposes, either indoors or outdoors. Can only be used in conjunction with SANS 60884-1.
SANS 61140:2012/ IEC 61140:2009 (Ed. 1.1) First SANS edition	*Protection against electric shock - Common aspects for installation and equipment.* Applies to the protection of persons and animals against electric shock. Intended to give fundamental principles and requirements which are common to electrical installations, systems and equipment or necessary for their co-ordination.
SANS 61439-6:2012/ IEC 61439-6:2012	*Low-voltage switchgear and controlgear assemblies - Part 6: Busbar trunking systems (busways).* Lays down the definitions and states the service conditions, construction requirements, technical characteristics and verification requirements for low-voltage busbar trunking systems. Can only be used in conjunction with SANS 61439-1.
SANS 61850-7-4:2012/ IEC 61850-7-4:2010	*Communication networks and systems for power utility automation - Part 7-4: Basic communication structure - Compatible logical node classes and data object classes.* Specifies the information model of devices and functions generally related to common use regarding applications in systems for power utility automation. Contains the information model of devices and function-related applications in substations.
SANS 62485-2:2012/ IEC 62485-2:2010	*Safety requirements for secondary batteries and battery installations - Part 2: Stationary batteries.* Applies to stationary secondary batteries and battery installations with a maximum voltage of DC 1 500 V (nominal) and describes the principal measures for protections against hazards generated from electricity, gas emission and electrolyte. Provides requirements on safety aspects associated with the erection, use, inspection, maintenance and disposal.
SANS 62532:2012/ IEC 62532:2011	*Fluorescent induction lamps - Safety specifications.* Specifies the safety requirements for fluorescent induction lamps for general lighting purposes. Also specifies the method a manufacturer should use to show compliance with the requirements of this standard on the basis of whole production appraisal in association with the test records on finished products.

Standard No. and year	Title, scope and pnrport
SANS 62561-4:2012/ IEC 62561-4:2010	*Lightning protection system components (LPSC) - Part 4: Requirements for conductor fasteners.* Deals with the requirements and tests for metallic and non-metallic conductor fasteners that are used in conjunction with the air termination, down conductor and earth termination system.
SANS 62561-7:2012/ IEC 62561-7:2011	*Lightning protection system components (LPSC) - Part 7: Requirements for earthing enhancing compounds.* Specifies the requirements and tests for earthing enhancing compounds producing low resistance of an earth termination system.
SATS 2:2012	*The development of normative documents other than South African National Standards.* Outlines the procedure for the development of normative documents other than South African National Standards.

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 pnrport
SANS 1-1:2012 (SANS 1-1:2009)	*Standard for standards - Part 1: The development of South African National Standards.* Details the process for the development and amendment of South African National Standards in accordance with the provisions of section 23(2) of the Standards Act, 2008 (Act No. 8 of 2008). Not intended to provide detailed internal SABS procedures since these are generally required only by the staff of the SABS Standards Division.
SANS 97:2012 (Ed. 7.1)	*Electric cables - Impregnated paper-insulated metal-sheathed cables for rated voltages 3,3/3,3 kV to 19/33 kV (excluding pressure assisted cables). Consolidated edition incorporating amendment No. 1.* Amended to change pH and conductivity requirements of the water extracted from insulating paper, and to renumber tables.
SANS 164-1:2012 (Ed. 5.2)	*Plug and socket-outlet systems for household and similar purposes for use in South Africa - Part 1: Conventional system, 16 A 250 V a.c. Consolidated edition incorporating amendment No. 2.* Amended to state the phasing out period, to restrict the dimensions in standard sheets 1-1, 1-2 and annex D, and to add requirements for the multi-pin gauge.
SANS 158:2012 (Ed 4.5)	*Electrical appliances for heating liquids. Consolidated edition incorporating amendment No. 5.* Amended to move reference to South African legislation in the text to the foreword.
SANS 159:2012 (Ed. 3.2)	*Electric irons for household or similar use. Consolidated edition incorporating amendment No. 2.* Amended to move reference to South African legislation in the text to the foreword.
SANS 232:2012 (Ed. 3.3)	*Detergent for industrial dishwashing equipment. Consolidated edition incorporating amendment No. 3.* Amended to delete a footnote on the availability of materials, and to move reference to relevant national legislation to the foreword.
SANS 292:2012 (SANS 292:1975)	*Wooden handles for hammers.* Applies to one grade of wooden handles (of different shapes) for various types of hand hammer heads.
SANS 326:2012/ ISO/IEC 20060:2010 (SANS 326:2004)	*Information technology - Open Terminal Architecture (OTA) - Virtual machine.* Provides the specifications for the standard Open Terminal Architecture (OTA) kernel, which is based on a standard virtual machine, which is implemented on each CPU type, and which provides drivers for the terminal's I/O and all low-level CPU-specific logical and arithmetic functions.
SANS 475:2012 (Ed. 1.1)	*Luminaires for interior lighting, streetlighting and floodlighting - Performance requirements. Consolidated edition incorporating amendment No. 1.* Amended to include induction lamps and LED light sources in the scope of the document, to update the definitions and to renumber them accordingly, to clarify light output ratio percentages, to delete the classification of luminaires under the BZ system, to delete r.m.s. measurements, to include goniometers where the luminaire is not retained in the design attitude, and to update referenced standards.
SANS 534-1:2012/ VESA ABS/002:2012 MOD (Ed. 2.1)	*Vehicle security - Whole-of-vehicle marking - Part 1: Microdot systems. Consolidated edition incorporating amendment No. 1.* Amended to remove reference to the South African National Accreditation System in the foreword, to add definitions for categories of vehicles and to renumber the definitions accordingly, to remove the requirement for the country code and OEM's name when the microdot identifier is a VIN, to correct a cross-reference, to modify the requirements for application methodology, to rename vehicles in terms of the defined categories, to modify the requirements for compulsory positions of application, and to add a requirement for the microdot installer in the subclause on verification.
SANS 556-1:2012 (Ed. 1.1)	*Low-voltage switchgear - Part 1: Circuit-breakers. Consolidated edition incorporating amendment No. 1.* Amended to delete reference to the validation period of SANS 156, to update the list of parts in the foreword, to delete reference to exclusions in the scope, and to modify the overload performance capability. Front-end standard. Can only be used in conjunction with SANS 60947-2.
SANS 635:2012 (Ed. 1.3)	*Elastomeric structural glazing and panel gaskets. Consolidated edition incorporating amendment No. 3.* Amended to update referenced standards.
SANS 650:2012 (Ed. 3.2)	*Laundry detergent (for use in non-automatic domestic washing machines). Consolidated edition incorporating amendment No. 2.* Amended to update normative references, and to move reference to a national authority to the foreword.

Standard No. and year	Title, scope and purport
SANS 651:2012 (Ed. 3.1)	*Low-foam laundry detergent (for use in automatic and non-automatic domestic washing machines). Consolidated edition incorporating amendment No. 1.* Amended to update normative references, and to move reference to a national authority to the foreword.
SANS 825:2012 (Ed. 4.1)	*Hand dishwashing and light duty detergent (liquid). Consolidated edition incorporating amendment No. 1.* Amended to update normative references, and to move reference to a national authority to the foreword.
SANS 878:2012 (Ed. 4.2)	*Ready-mixed concrete. Consolidated edition incorporating amendment No. 2.* Amended to update referenced standards.
SANS 892:2012 (Ed. 3.3)	*General purpose detergent (beads, granules and powders). Consolidated edition incorporating amendment No. 3.* Amended to move reference to relevant national legislation to the foreword, and to delete a footnote on the availability of detergent.
SANS 1042:2012 (Ed. 1.6)	*Polymer floor dressings. Consolidated edition incorporating amendment No. 6.* Amended to update referenced standards.
SANS 1044:2012 (Ed. 3.2)	*Industrial laundry detergents. Consolidated edition incorporating amendment No. 2.* Amended to update normative references, and to move reference to a national authority to the foreword.
SANS 1091:2012 (Ed. 2.1)	*National colour standard. Consolidated edition incorporating amendment No. 1.* Amended to correct equation (11), to indicate that the NCS colours are no longer available in the form of a fan deck but in an A4 colour chart, which includes safety colours, and to update referenced standards.
SANS 1156-2:2012 (SANS 1156-2:2010)	*Hose for natural gas and liquefied petroleum gas (LPG) - Part 2: Hose and tubing for use in natural gas and liquefied petroleum gas vapour phase.* Covers flexible rubber or PVC hose and tubing for use, at a temperature from -10 °C and not exceeding 60 °C, in LPG vapour phase and natural gas applications.
SANS 1288:2012 (Ed. 3.3)	*Preservative-treated timber. Consolidated edition incorporating amendment No. 3.* Amended to update referenced standards, change the definition of "general purpose pole" to "non-structural pole", renumber definitions accordingly, change the requirements for moisture content before preservative treatment, modify the requirements of the depth of penetration of preservative into sapwood, update tables 1, 2 and 3, include a new table on preservative-treated round hardwood products and include round droppers.
SANS 1341:2012 (Ed.1.3)	*Detergent for high-pressure cleaning (hot and steam cleaning). Consolidated edition incorporating amendment No. 3.* Amended to move reference to relevant national legislation to the foreword, and to delete a footnote on the availability of detergent.
SANS 1365:2012 (Ed. 3.2)	*Solvent degreasers that contain chlorinated hydrocarbons. Consolidated edition incorporating amendment No. 2.* Amended to limit the relative density values of all the types listed in the table on detailed requirements, to two decimal places, and to move reference to a national authority to the foreword.
SANS 1553-1:2012 (Ed. 1.2)	*PVC-U window and door frames for external use - Part 1: PVC-U profiles for window and door frames. Consolidated edition incorporating amendment No. 2.* Amended to update referenced standards.
SANS 1574-1:2012 (Ed. 1.2)	*Electric flexible cables with solid extruded dielectric insulation - Part 1: General. Consolidated edition incorporating amendment No. 2.* Amended to change the title and to change cores and cords to cables, to amend the scope and the titles of some annexes, to add new definitions and renumber them, to clarify the requirements for drums and reels, to change the requirements for marking and to include ID threads for cables.
SANS 1574-3:2012 (Ed. 1.1)	*Electric flexible cables with solid extruded dielectric insulation - Part 3: PVC-insulated cables for industrial use. Consolidated edition incorporating amendment No. 1.* Amended to change the title, to update the list of parts in the foreword, to clarify the wording in the scope and to change the type of cable referred to, to update referenced standards, to delete the definitions, to update requirements for operating voltage, to update requirements for spark testing of insulation, to include additional cable sizes in the table on thickness and insulation resistance of PVC insulation, to update the table on thickness of the sheath of circular flexible cables, to update requirements for colours for core identification, and to update requirements for inspection.
SANS 1617:2012 (Ed 1.1)	*Chains, chain wheels and slats for slat conveyors. Consolidated edition incorporating amendment No. 1.* Amended to change the designation of SABS standards to SANS standards, to change the definition of acceptable and to update referenced standards.
SANS 1661:(2012) (SANS 1661:2008)	*Cord extension sets.* Specifies the safety requirements for cord extension sets with a rated current not exceeding 16 A and a rated single-phase voltage not exceeding 250 V a.c., intended for household and similar general-purpose equipment.
SANS 1783-4:2012 (Ed. 1.5)	*Sawn softwood timber - Part 4: Brandering and battens. Consolidated edition incorporating amendment No. 5.* Amended to update referenced standards, to modify definitions, to delete the clause on machining defects, to update the table on permissible knot and knot hole dimensions, to update the requirements for marking, and to delete part of the figure on through face knots exposed on three arrises.
SANS 1885:2012/ NRS 003:2012 (Ed. 2.2)	*AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 36 kV. Consolidated edition incorporating amendment No. 2.* Amended to update referenced standards.
SANS 1887-2:2012 (Ed. 1.1)	*Tissue paper - Part 2: Toilet paper. Consolidated edition incorporating amendment No. 1.* Amended to update referenced standards, to add a definition for "acceptable" and to number definitions, and to modify the requirements for nominal number of sheets on each roll. Front-end standard. Can only be used in conjunction with SANS 1887-1.
SANS 1931:2012 (Ed. 1.1)	*Particle board - Highly moisture-resistant exterior type. Consolidated edition incorporating amendment No. 1.* Amended to update referenced standards.

Standard No. and year	Title, scope and purport
SANS 2001-DP6:2012 (Ed. 1.1)	*Construction works - Part DP6: Below-ground water installations. Consolidated edition incorporating amendment No. 1.* Amended to update a referenced standard.
SANS 2424:2012/ ISO 2424:2007 (SANS 2424:1992)	*Textile floor coverings – Vocabulary.* Gives definitions of terms relating to textile floor coverings, and defines categories of these products.
SANS 6284-2:2012 (Ed. 2.1)	*Test methods for cross-linked polyethylene (XLPE) insulated electric cables - Part 2: Tests on extruded semi-conducting screens. Consolidated edition incorporating amendment No. 1.* Amended to modify formulae for resistivity.
SANS 10096:2012 (Ed. 2.6)	*The manufacture of finger-jointed structural timber. Consolidated edition incorporating amendment No. 6.* Amended to update referenced standards.
SANS 10139:2012/ BS 5839-1:2002 MOD (Ed. 3.2)	*Fire detection and alarm systems for buildings - System design, installation and servicing. Consolidated edition incorporating amendment No. 2.* Amended to update referenced standards, to include a category L5 in the category L systems, to modify the recommendations applicable to the exchange of information and definition of responsibilities, to modify the recommendations applicable to system components, to modify the recommendations applicable to system integrity, to modify the recommendations applicable to all detection zones, to modify the recommendations applicable to visual alarm signals, to modify the commentary in the clause on fire alarm warnings for people with impaired hearing, to modify the commentary in the clause on smoke detectors, to add a note to the recommendations for the provision of automatic fire detectors, to add a note to the recommendations for the siting of heat and smoke detectors and to renumber the subsequent notes, to update the tables on limits of ceiling height, to modify the recommendations for standby supplies, to modify the recommendations and commentary for cables, wiring and other interconnections, to delete a note in the recommendations for installation and to modify the commentary in the clause on the log book.
SANS 10144:2012 (SABS 10144:1995)	*Detailing of steel reinforcement for concrete.* Recommends methods for detailing steel reinforcement for concrete and is applicable to most reinforced concrete.
SANS 10222-3:2012 (Ed. 4.1)	*Electrical security installations - Part 3: Electric fences (non-lethal). Consolidated edition incorporating amendment No. 1.* Amended to change a definition, the requirements for warning signs, and a reference in the subclause on additional installation requirements, to rephrase part of the subclause on the installation of the off-set bracket, to add a requirement on the design of brackets and poles, to amend the planning principles which are aimed at protecting communication lines against interference from electric fences, to change the general requirements for lightning arrestors, to add a requirement on lightning arrestor connection terminals and to amend the title of annex H and that of the relevant certificate of compliance.
SANS 10227:2012 (Ed. 2.1)	*Criteria for the operation of inspection authorities performing inspection in terms of the Pressure Equipment Regulations. Consolidated edition incorporating amendment No. 1.* Amended to move reference to legislation to the foreword, update the definitions of "audit", "calibration", "certificate of manufacture", "certificate of modification", "inspection", "pressure equipment", "quality control plan", "surveillance" and "verification", add definitions of "AIA in-service" and "AIA manufacturing", add an abbreviation, modify a requirement for approvals of inspection authorities, change and add a cross-reference, include a clause on pressure equipment marking and renumber clauses and subclauses accordingly, update a requirement for stamp control, include procedures for in-service and manufacturing AIAs, update a requirement for nameplate, modify table 1 and include table 2.
SANS 10313:2012 (Ed 3.2)	*Protection against lightning - Physical damage to structures and life hazard. Consolidated edition incorporating amendment No. 2.* Amended to replace the table on lightning ground flash density and to update a referenced standard. Can only be used in conjunction with the SANS 62305 series.
SANS 11379:2012/ ISO 11379:2009 (SANS 11379:2003)	*Textile floor coverings - Laboratory cleaning procedure using spray extraction.* Describes a laboratory-scale textile-floor-covering cleaning procedure using a spray-extraction technique. Applicable to all kinds of textile floor coverings, both machine-made and hand-made.
SANS 15693-1:2012/ ISO/IEC 15693-1:2010 (SANS 15693-1:2004)	*Identification cards - Contactless integrated circuit cards - Vicinity cards Part 1: Physical characteristics.* Defines the physical characteristics of contactless integrated circuit cards or other objects with which communication and power transfers are done by inductive coupling in the vicinity of a coupling device.
SANS 18000-2:2012/ ISO/IEC 18000-2:2009 (SANS 18000-2:2006)	*Information technology - Radio frequency identification for item management - Part 2: Parameters for air interface communications below 135 kHz.* Defines the air interface for radio frequency identification (RFID) devices operating below 135 kHz. It also defines the physical layer used for communication between the interrogator and the tag and the communications protocol used in the air interface.
SANS 18000-6:2012/ ISO/IEC 18000-6:2010 (SANS 18000-6:2006)	*Information technology - Radio frequency identification for item management - Part 6: Parameters for air interface communications at 860 MHz to 960 MHz.* Defines the air interface for radio frequency identification (RFID) devices operating in the 860 MHz to 960 MHz Industrial, Scientific, and Medical (ISM) band used in item management applications. It also defines the forward and return link parameters for technical attributes and the communications protocol used in the air interface.
SANS 60079-0:2012/ IEC 60079-0:2011 (SANS 60079-0:2009)	*Explosive atmospheres - Part 0: Equipment - General requirements.* Specifies the general requirements for construction, testing and marking of electrical equipment and Ex Components intended for use in explosive atmospheres.
SANS 60086-5:2012/ IEC 60086-5:2011 (SANS 60086-5:2005)	*Primary batteries - Part 5: Safety of batteries with aqueous electrolyte.* Specifies tests and requirements for primary batteries with aqueous electrolyte to ensure their safe operation under intended use and reasonably foreseeable misuse.

Standard No. and year	Title, scope and purport
SANS 60269-4:2012/ IEC 60269-4:2012 (Ed.3.1)	*Low-voltage fuses - Part 4: Supplementary requirements for fuse-links for the protection of semiconductor devices. Consolidated edition incorporating amendment No. 1.* Amended to update referenced standards, add a note on the table on conventional times and currents for "gR" and "gS" fuse-links, change the temperature requirement from 20 degrees Celsius ± 5 degrees Celsius to between 10 degrees Celsius and 30 degrees Celsius in the list of complete tests table, modify information on the figures on the fuse-links with cylindrical contact caps "type A and B", flush end fuse-links "type B", flush end fuse-links "type A", bolted fuse-links "type A", fuse-links with bolted connections "type B, body sizes 0, 1, 2 and 3", and single, twin and striker body fuse-links. Can only be used in conjunction with SANS 60269-1.
SANS 60309-1:2012/ IEC 60309-1:2012 (Ed. 3.2)	*Plugs, socket-outlets and couplers for industrial purposes - Part 1: General requirements. Consolidated edition incorporating amendment No. 2.* Amended to update referenced standards, change the rated operating voltage of 690 V d.c. or a.c. to 1 000 V d.c. or a.c., the rated current for accessories with screwless type terminals or insulation piercing terminals to 32 A for series I and 30 A for series II and to add the requirements for terminals and terminations.
SANS 60309-2:2012/ IEC 60309-2:2012 (Ed. 3.2)	*Plugs, socket-outlets and couplers for industrial purposes - Part 2: Dimensional interchangeability requirements for pin and contact-tube accessories. Consolidated edition incorporating amendment No. 2.* Amended to update referenced standards, to change the rated operating voltage of 690 V to 1 000 V, the rated current for accessories with screwless type terminals or insulation piercing terminal up to and including 32 A for series I and 30 A for series II and to add the requirements for terminals and terminations. Can only be used in conjunction with SANS 60309-1.
SANS 60309-4:2012/ IEC 60309-4:2012 (Ed. 1.1)	*Plugs, socket-outlets and couplers for industrial purposes - Part 4: Switched socket-outlets and connectors with or without interlock. Consolidated edition incorporating amendment No. 1.* Amended to change the rated operating voltage and current of 690 V and 250 A to 1000 V and 800 A and to update referenced standards. Can only be used in conjunction with SANS 60309-1 and SANS 60309-2.
SANS 60335-2-95:2012/ IEC 60335-2-95:2011 (SANS 60335-2-95:2010)	*Household and similar electrical appliances - Safety - Part 2-95: Particular requirements for drives for vertically moving garage doors for residential use.* Covers the safety of electric drives for garage doors for residential use that open and close in a vertical direction, the rated voltage of the drives being not more than 250 V for single-phase appliances and 480 V for other appliances. Also covers the hazards associated with the movement of these electrically driven garage doors. Can only be used in conjunction with SANS 60335-1.
SANS 60947-3:2012/ IEC 60947-3:2012 (Ed. 3.1)	*Low-voltage switchgear and controlgear - Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units. Consolidated edition incorporating amendment No. 1.* Amended to add the alphabetical index of terms, to realign and introduce new terms, definitions and a table on equipment types, to realign the document with the revised IEC 60947-1 (published in South Africa as an identical adoption under the designation SANS 60947-1), to delete the requirements for materials, clearances and creepage distances, additional requirements for equipment suitable for isolation, method of test, condition of equipment during and after test, immunity and degrees of protection of enclosed equipment and to add a table on immunity tests. *IEC corrigendum No. 1.* Corrected to delete subclauses on number of poles, kind of current and number of positions of the main contacts. Can only be used in conjunction with SANS 60947-1.
SANS 60947-4-2:2012/ IEC 60947-4-2:2011 (SANS 60947-4-2:2007)	*Low-voltage switchgear and controlgear - Part 4-2: Contactors and motor-starters - AC semiconductor motor controllers and starters.* Applies to a.c. semiconductor motor controllers and starters, which may include a series mechanical switching device, intended to be connected to circuits, the rated voltage of which does not exceed 1000 V a.c. Can only be used in conjunction with SANS 60947-1.
SANS 60947-4-2:2012/ IEC 60947-4-2:2011 (SANS 60947-4-2:2007)	*Low-voltage switchgear and controlgear - Part 4-2: Contactors and motor-starters - AC semiconductor motor controllers and starters. IEC corrigendum No. 1.* Corrected to update the table on terminal disturbance voltage limits for conducted radio-frequency emission.
SANS 61008-1:2012/ IEC 61008-1:2012 (Ed. 3.1)	*Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) - Part 1: General rules. Consolidated edition incorporating amendment No. 1.* Amended to update referenced standards, add requirements for method of connection, type of terminals, marking and other product information, clearance and creepage distances, screws, current-carrying parts and connections, terminals for external conductors, tests for reliability of screw-type terminals for external copper conductors, verification of impulse withstand voltages (across clearances and across solid insulation) and of leakage current across open contacts, verification of the operating characteristics, short-circuit test, test of resistance to abnormal heat and to fire, test of resistance to rusting, add information to the annex on the determination of clearances and creepage distance and drawings and the annex on particular requirements for RCCBs with screwless type terminals for external copper conductors, delete the requirements for resistance of insulation against an impulse voltage, add figures for typical diagram for all short-circuit tests details of impedances, replace a table for test sequences, add annexes on particular requirements for RCCBs with screwless type terminals for external copper conductors, flat quick-connect terminations and screw-type terminals for external untreated aluminium conductors and with aluminium, screw-type terminals for use with copper or aluminium conductors.
SANS 61204-3:2012/ IEC 61204-3:2011 (SANS 61204-3:2000)	*Low-voltage power supplies, d.c. output - Part 3: Electromagnetic compatibility (EMC).* Specifies electromagnetic compatibility (EMC) requirements for power supply units (PSUs) providing d.c. output(s) with or without auxiliary a.c. output(s), operating from a.c. or d.c. source voltages up to 600 V a.c. or 1 000 V d.c.
SANS 61439-2:2012/ IEC 61439-2:2011 (SANS 61439-2:2009)	*Low-voltage switchgear and controlgear assemblies - Part 2: Power switchgear and controlgear assemblies.* Defines the specific requirements of power switchgear and controlgear (PSC-S) assemblies of the rated voltages below 1 000 V a.c. or 1 500 V d.c. Can only be used in conjunction with SANS 61439-1.
SANS 61535:2012/ IEC 61535:2012 (Ed. 1.1)	*Installation couplers intended for permanent connection in fixed installations. Consolidated edition incorporating amendment No. 1.* Amended to add notes on terminals and terminations, insulation resistance and electric strength, and to renumber notes accordingly.
SANS 61960:2012/ IEC 61960:2011 (SANS 61960:2005)	*Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary lithium cells and batteries for portable applications.* Specifies performance tests, designations, markings, dimensions and other requirements for secondary lithium single cells and batteries for portable applications.

Standard No. and year	Title, scope and purport
SANS 62271-107:2012/ IEC 62271-107:2012 (SANS 62271-107:2006)	*High-voltage switchgear and controlgear - Part 107: Alternating current fused circuit-switchers for rated voltages above 1 kV up to and including 52 kV.* Applies to three-pole operated units for distribution systems that are functional assemblies of a circuit-switcher and current-limiting fuses designed so as 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, circuits to which the rated short-circuit breaking current applies.
SANS 62301:2012/ IEC 62301:2011 (SANS 62301:2010)	*Household electrical appliances - Measurement of standby power.* Specifies methods of measurement of electrical power consumption in standby mode(s) and other low modes (off mode and network mode), as applicable. Applies to electrical products with a rated input voltage or voltage range that lies wholly or partly in the range 100 V a.c. to 250 V a.c. for single-phase products and 130 V a.c. to 480 V a.c. for other products.

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 241:2006	*Drinking water.*
SANS 471:2003	*Rubber - Temperatures, humidities and times for conditioning and testing.*
SANS 1973-7:2008	*Low-voltage switchgear and controlgear ASSEMBLIES Part 7: Requirements for testing under conditions of arcing due to internal fault.*
SANS 5001:1971	*Sterility testing: sampling, criteria of compliance of a batch with sterility requirements.*
SANS 5002:1987	*Sterility of liquids.*
SANS 5011:2005	*Water quality - Determination of pH.*
SANS 6156:2009	*Water requirement of portland cement extenders.*
SANS 51714:2005	*Non-destructive testing of welds - Ultrasonic testing of welded joints.*

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.