

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

**No. 415****14 June 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 1489-2:2013	<i>Electrical connectors in group I and group II hazardous areas - Part 2: Restrained type plugs and sockets for group I hazardous areas.</i> Specifies general requirements for electrical connectors of a restrained type (which incorporates up to three power contacts, at least one pilot contact for electrical interlocking and earth continuity) primarily intended for use in group I hazardous areas, and connected to its power supply by means of a flexible electric trailing cable (SANS 1520-1 and SANS 1520-2) or a steel armoured (PVC) non-halogen cable in accordance with the applicable part of SANS 1507. Can only be used in conjunction with SANS 1489-1.
SANS 1525:2013/ ISO 10319:2008	<i>Geosynthetics - Wide-width tensile test.</i> Describes an index test method for the determination of the tensile properties of geosynthetics, using a wide-width strip.
SANS 9797-3:2013/ ISO/IEC 9797-3:2011	<i>Information technology - Security techniques - Message Authentication Codes (MACs) - Part 3: Mechanisms using a universal hash-function.</i> Specifies the following MAC algorithms that use a secret key and a universal hash-function with an n-bit result to calculate an m-bit MAC based on the block ciphers specified in ISO/IEC 18033-3 (published in South Africa as an identical adoption under the designation SANS 18033-3), and the stream ciphers specified in ISO/IEC 18033-4 (published in South Africa as an identical adoption under the designation SANS 18033-4) UMAC, Badger, Poly1305-AES and GMAC.
SANS 9862:2013/ ISO 9862:2005	<i>Geosynthetics - Sampling and preparation of test specimens.</i> Establishes general principles for the sampling of geosynthetics delivered to construction sites, and for the preparation of test specimens from the samples.
SANS 9863-1:2013/ ISO 9863-1:2005	<i>Geosynthetics - Determination of thickness at specified pressures - Part 1: Single layers.</i> Specifies a method for the determination of the thickness of geosynthetics at specified pressures and defines the pressure at which the nominal thickness is determined.
SANS 9864:2013/ ISO 9864:2005	<i>Geosynthetics - Test method for the determination of mass per unit area of geotextiles and geotextile-related products.</i> Specifies a method for the determination of mass per unit area of geotextiles and geotextile-related products for identification purposes and for use in technical data sheets.
SANS 10318:2013/ ISO 10318:2005	<i>Geosynthetics - Terms and definitions.</i> Defines terms related to functions, products, properties and other terms, as well as symbols applying to geosynthetics.
SANS 11058:2013/ ISO 11058:2010	<i>Geotextiles and geotextile-related products - Determination of water permeability characteristics normal to the plane, without load.</i> Specifies two test methods for determining the water permeability characteristics of a single layer of geotextile or geotextile-related product normal to the plane.
SANS 12236:2013/ ISO 12236:2006	<i>Geosynthetics - Static puncture test (CBR test).</i> Specifies a method for the determination of the puncture resistance by measuring the force required to push a flat-ended plunger through geosynthetics.
SANS 12956:2013/ ISO 12956:2010	<i>Geotextiles and geotextile-related products - Determination of the characteristic opening size.</i> Specifies a method for the determination of the characteristic size of the openings of a single layer of geotextile or geotextile-related product using the wet-sieving principle.
SANS 13433:2013/ ISO 13433:2006	<i>Geosynthetics - Dynamic perforation test (cone drop test).</i> Specifies a method to determine the resistance of geosynthetics to penetration by a steel cone dropped from a fixed height.
SANS 17050-1:2013/ ISO/IEC 17050-1:2004	<i>Conformity assessment - Supplier's declaration of conformity - Part 1: General requirements.</i> Specifies general requirements for a supplier's declaration of conformity in cases where it is desirable, or necessary, that conformity of an object to the specified requirements be attested, irrespective of the sector involved. The object of a declaration of conformity can be a product, process, management system, person or body.

Standard No. and year	Title, scope and purport
SANS 17050-2:2013/ ISO/IEC 17050-2:2004	<i>Conformity assessment - Supplier's declaration of conformity - Part 2: Supporting documentation.</i> Specifies general requirements for supporting documentation to substantiate a supplier's declaration of conformity, as described in ISO/IEC 17050-1 (published in South Africa as an identical adoption under the designation SANS 17050-1). The object of a declaration of conformity can be a product, process, management system, person or body.
SANS 24709-3:2013/ ISO/IEC 24709-3:2011	<i>Information technology - Conformance testing for the biometric application programming interface (BioAPI) - Part 3: Test assertions for BioAPI frameworks.</i> Defines a number of test assertions written in the assertion language specified in ISO/IEC 24709-1 (published in South Africa as an identical adoption under the designation SANS 24709-1). Contains all test assertions for testing conformance of BioAPI frameworks to claim compliance to the BioAPI specification defined by ISO/IEC 19784-1 (published in South Africa as an identical adoption under the designation SANS 19784-1).
SANS 29164:2013/ ISO/IEC 29164:2011	<i>Information technology - Biometrics - Embedded BioAPI.</i> Provides a standard interface to hardware biometric modules designed to be integrated in embedded systems which can be constrained in memory and computational power. Specifies a full interface for such hardware-based biometric modules.
SANS 60076-21:2013/ IEC 60076-21:2011	<i>Power transformers - Part 21: Standard requirements, terminology, and test code for step-voltage regulators.</i> Describes electrical and mechanical requirements of liquid-immersed, single- and three-phase, step-voltage regulators, not exceeding a regulation of 3 000 kVA (for three-phase units) or 1 000 kVA (for single-phase units).
SANS 60079-35-1:2013/ IEC 60079-35-1:2011	<i>Explosive atmospheres - Part 35-1: Caplights for use in mines susceptible to firedamp - General requirements - Construction and testing in relation to the risk of explosion.</i> Specifies requirements for the construction, testing and marking of caplights, including caplights with a point of connection for other equipment, for use in mines susceptible to firedamp (Group I - electrical equipment for explosive gas atmospheres as defined in IEC 60079-0 (published in South Africa as an identical adoption under the designation SANS 60079-0)). Deals only with the risk of the caplight becoming a source of ignition.
SANS 60079-35-2:2013/ IEC 60079-35-2:2011	<i>Explosive atmospheres - Part 35-2: Caplights for use in mines susceptible to firedamp - Performance and other safety-related matters.</i> Details those performance and other safety features of caplights, including those with a point of connection for another equipment, not covered in IEC 60079-35-1 (published in South Africa as an identical adoption under the designation SANS 60079-35-1), but which are important for the safety and working conditions of the user. May also be applied to caplights for use in mines not likely to be endangered by firedamp.
SANS 60811-601:2013/ IEC 60811-601:2012	<i>Electric and optical fibre cables - Test methods for non-metallic materials - Part 601: Physical tests - Measurement of the drop point of filling compounds.</i> Specifies the test procedure for measuring the drop point of filling compounds. Can only be used in conjunction with SANS 60811-100.
SANS 60811-602:2013/ IEC 60811-602:2012	<i>Electric and optical fibre cables - Test methods for non-metallic materials - Part 602: Physical tests - Separation of oil in filling compounds.</i> Gives the test methods for separation of oil in filling compounds. Can only be used in conjunction with SANS 60811-100.
SANS 60811-603:2013/ IEC 60811-603:2012	<i>Electric and optical fibre cables - Test methods for non-metallic materials - Part 603: Physical tests - Measurement of total acid number of filling compounds.</i> Gives test methods to examine the filling compound for corrosive elements. Can only be used in conjunction with SANS 60811-100.
SANS 60811-604:2013/ IEC 60811-604:2012	<i>Electric and optical fibre cables - Test methods for non-metallic materials - Part 604: Physical tests - Measurement of absence of corrosive components in filling compounds.</i> Indicates the effect of the filling compound when in contact with the metallic parts of the cable. Can only be used in conjunction with SANS 60811-100.
SANS 60811-605:2013/ IEC 60811-605:2012	<i>Electric and optical fibre cables - Test methods for non-metallic materials - Part 605: Physical tests - Measurement of carbon black and/or mineral filler in polyethylene compounds.</i> Describes test methods for measuring the content of carbon black added for UV stabilization of polyethylene and polyolefin compounds. Not suitable for halogenated compounds. Can only be used in conjunction with SANS 60811-100.
SANS 60811-606:2013/ IEC 60811-606:2012	<i>Electric and optical fibre cables - Test methods for non-metallic materials - Part 606: Physical tests - Methods for determining the density.</i> Describes the methods for determining the density for the most common types of insulating and sheathing compounds (cross-linked, PVC, PE, PP, etc.). Can only be used in conjunction with SANS 60811-100.
SANS 60811-607:2013/ IEC 60811-607:2012	<i>Electric and optical fibre cables - Test methods for non-metallic materials - Part 607: Physical tests - Test for the assessment of carbon black dispersion in polyethylene and polypropylene.</i> Specifies test methods for carbon black dispersion that are applicable specifically to PE and PP compounds, including cellular compounds and foam skin for insulation. Can only be used in conjunction with SANS 60811-100.
SANS 61800-8:2013/ IEC/TS 61800-8:2010	<i>Adjustable speed electrical power drive systems - Part 8: Specification of voltage on the power interface.</i> Provides guidelines for the determination of voltage on the power interface of power drive systems (PDS's).
SANS 61982:2013/ IEC 61982:2012	<i>Secondary batteries (except lithium) for the propulsion of electric road vehicles - Performance and endurance tests.</i> Applicable to performance and endurance tests for secondary batteries used for vehicle propulsion applications.

**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 185:2013 (Ed. 3.3)	<i>Immersion-type heating units for electrical appliances. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards and to correct a cross reference.
SANS 666:2013 (Ed. 1.1)	<i>Ethanol-gel fuelled appliances. Consolidated edition incorporating amendment No. 1.</i> Amended to update a referenced standard and to correct the equation for the determination of power output.
SANS 927:2013 (Ed. 3.2)	<i>Precast concrete kerbs, edgings and channels. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 1381-1:2013 (Ed. 3.2)	<i>Materials for thermal insulation of buildings - Part 1: Fibre thermal insulation mats. Consolidated edition incorporating amendment No. 2.</i> Amended to include reference to national legislation in the foreword, to update referenced standards, to add a definition for "fire performance classification" and to renumber definitions accordingly, to delete the requirements for combustibility, basic fire properties and the smoke density test, to add requirements for fire performance and to renumber the requirements accordingly, to delete the test method for combustibility, to add a test method for fire performance and to renumber the test methods accordingly, to correct cross-references, and to modify the marking and data sheet requirements.
SANS 1381-4:2013 (Ed. 2.1)	<i>Materials for thermal insulation of buildings - Part 4: Reflective foil laminates (rolls, sheets and sections). Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards, to modify the requirements for resistance to accelerated weathering (aging), to modify the test procedure for resistance to accelerated aging (ultraviolet radiation), to modify the marking and data sheet requirements and to renumber the information accordingly, and to correct cross-references.
SANS 1416:2013 (Ed. 1.4)	<i>Alkali-resistant plaster primer (pigmented, solvent-type). Consolidated edition incorporating amendment No. 4.</i> Amended to delete the requirements and test for absorption, to update referenced standards, and to delete reference to the standardization mark.
SANS 2220-1-1:2013 (Ed. 1.3)	<i>Electrical security systems - Part 1-1: Intruder alarm systems - General requirements. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards and to move references related to legislation to the foreword.
SANS 9797-1:2013/ ISO/IEC 9797-1:2011 (SANS 9797-1:2003)	<i>Information technology - Security techniques - Message Authentication Codes (MACs) - Part 1: Mechanisms using a block cipher.</i> Specifies six MAC algorithms that use a secret key and an n-bit block cipher to calculate an m-bit MAC. Can be applied to the security services of any security architecture, process or application.
SANS 9797-2:2013/ ISO/IEC 9797-2:2011 (SANS 9797-2:2003)	<i>Information technology - Security techniques - Message Authentication Codes (MACs) - Part 2: Mechanisms using a dedicated hash-function.</i> Specifies three MAC algorithms that use a secret key and a hash-function (or its round-function) with an n-bit result to calculate an m-bit MAC. Can be used as data integrity mechanisms to verify that data has not been altered in an unauthorized manner. Can also be used as message authentication mechanisms to provide assurance that a message has been originated by an entity in possession of the secret key.
SANS 10086-2:2013 (SANS 10086-2:2006)	<i>The installation, inspection and maintenance of equipment used in explosive atmospheres - Part 2: Electrical equipment installed underground in mines.</i> Covers the installation, inspection and maintenance of electrical equipment used underground in mining applications where atmospheres might be explosive owing to the presence of gases and dusts that are flammable in the presence of atmospheric oxygen. Does not cover the risks that arise from the toxicity of flammable substances or their reaction products, nor does it cover explosives. Can only be used in conjunction with SANS 10108.
SANS 10109-2:2013 (Ed. 3.1)	<i>Concrete floors - Part 2: Finishes to concrete floors. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 16001:2013/ (SANS 16001:2007)	<i>Wellness and disease (including HIV and TB) management systems - Requirements.</i> Specifies general requirements for wellness and disease, including HIV and TB, management systems (WDMSs). Applies to any organization that wishes to establish, implement, maintain and improve such systems.
SANS 20252:2013/ ISO 20252:2012 (SANS 20252:2006)	<i>Market, opinion and social research - Vocabulary and service requirements.</i> Establishes the terms and definitions as well as the service requirements for organizations and professionals conducting market, opinion and social research.
SANS 27006:2013/ ISO/IEC 27006:2011 (SANS 27006:2010)	<i>Information technology - Security techniques - Requirements for bodies providing audit and certification of information security management systems.</i> Specifies requirements and provides guidance for bodies providing audit and certification of an information security management system (ISMS), in addition to the requirements contained within ISO/IEC 17021 (published in South Africa as an identical adoption under the designation SANS 17021) and ISO/IEC 27001 (published in South Africa as an identical adoption under the designation SANS 27001). Intended to support the accreditation of certification bodies providing ISMS certification.

Standard No. and year	Title, scope and purport
SANS 60400:2013/ IEC 60400:2011 (Ed. 4.1)	<i>Lampholders for tubular fluorescent lamps and starterholders. Consolidated edition incorporating amendment No. 1.</i> Amended to update the scope, to add definitions, to update requirements for electrical rating, classification, marking, protection against electric shock, construction, resistance to dust and moisture, insulation resistance and moisture, endurance, mechanical strength, creepage distances and clearances, resistance to heat, fire and tracking, resistance to excessive residual stresses (season cracking) and to rusting, to update the annex on examples of lampholders covered by this standard, and to update the annex on protection against electric shock.
SANS 60730-2-9:2013/ IEC 60730-2-9:2011 (Ed. 2.1)	<i>Automatic electrical controls for household and similar use - Part 2-9: Particular requirements for temperature sensing controls. Consolidated edition incorporating amendment No. 1.</i> Amended to include new referenced standards, to add a new annex EE, which is an informative guide to the application of temperature sensing controls, and to add a new requirement for endurance to address the endurance requirement for temperature sensing devices where the whole control is declared as the sensing element for ambient temperatures below 0 °C.
SANS 61056-1:2013/ IEC 61056-1:2012 (SANS 61056-1:2003)	<i>General purpose lead-acid batteries (valve-regulated types) - Part 1: General requirements, functional characteristics - Methods of test.</i> Specifies the general requirements, functional characteristics and methods of test for all general purpose lead-acid cells and batteries of the valve-regulated type: for either cyclic or float charge application; in portable equipment, for instance, incorporated in tools, toys, or in static emergency, or uninterruptible power supply and general power supplies.
SANS 61558-2-12:2013/ IEC 61558-2-12:2011 (SANS 61558-2-12:2001)	<i>Safety of transformers, reactors, power supply units and combination thereof - Part 2-12: Particular requirements and tests for constant voltage transformers and power supply units for constant voltage.</i> Deals with the safety of constant voltage transformers for general applications and power supply units for constant voltage for general applications. Covers constant voltage transformers incorporating electronic circuits. Can only be used in conjunction with SANS 61558-1.

### 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 805:1970	<i>Unwrought tough pitch coppers: Tough pitch high conductivity copper.</i>
SANS 1142:1979	<i>Diesel engines modified for use in hazardous locations (other than in mines).</i>
SANS 1632-2:2005	<i>Batteries - Part 2: Vented-type stationary lead-acid cells and batteries.</i>
SANS 1632-3:2005	<i>Batteries - Part 3: Vented-type prismatic nickel-cadmium cells and batteries.</i>
SANS 5548:1987	<i>Sterility of syringes and needles.</i>
SANS 5667-2:1991	<i>Water quality - Sampling - Part 2: Guidance on sampling techniques.</i>
SANS 60079-4:1975	<i>Electrical apparatus for explosive gas atmospheres - Part 4: Method of test for ignition temperature.</i>
SANS 61558-2-17:1997	<i>Safety of power transformers, power supply units and similar - Part 2-17: Particular requirements for transformers for switch mode power supplies.</i>
SANS 61558-2-19:2000	<i>Safety of power transformers, power supply units and similar devices - Part 2-19: Particular requirements for perturbation attenuation transformers.</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.