

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

No. 432

22 May 2015

**STANDARDS ACT, 2008**  
**STANDARDS MATTERS**

In terms of the Standards Act, 2008 (Act No. 8 of 2008), the Board of the South African Bureau of Standards has acted in regard to standards in the manner set out in the Schedules to this notice.

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 556-2-2:2015 (Ed. 1)	<i>Low-voltage switchgear Part 2-2: Earth leakage switches.</i> Applies to earth leakage switches (ELSWs) that are functionally independent of, or functionally dependent on, line voltage, are for household and similar uses, do not incorporate overcurrent protection, and are for rated voltages that do not exceed 440 V a.c. with rated frequencies of 50 Hz, 60 Hz or 50/60 Hz and rated currents that do not exceed 125 A.
SANS 956-5:2015 (Ed. 1)	<i>Financial services- Universal financial industry message scheme - Part 5: Reverse engineering.</i> Explains through reverse engineering guidelines how to extract the relevant information from existing IndustryMessageSets in order to prepare the submission to the ISO 20022 Registration Authority of equivalent, ISO 20022 compliant Business Transactions and MessageSets.
SANS 961:2015 (Ed. 1)	<i>Vehicle classifications.</i> Defines and classifies all types of power-driven vehicles and trailers.
SANS 1025:2015 (Ed. 1)	<i>Animal drawn carts.</i> Covers the requirements for the construction and performance of animal drawn vehicles.
SANS 1377:2015 (Ed. 1)	<i>Olive oils and olive-pomace oils.</i> Applies to all olive oils and olive-pomace oils that are traded in South Africa. Defines the grades of olive oils and olive-pomace oils and specifies the chemical composition and quality parameters for these grades. Establishes requirements for labelling and packing. Lists acceptable methods of analyses.
SANS 1546:2015 (Ed. 1)	<i>Dried mopane worms.</i> Covers the harvesting, processing and drying of mopane worms.
SANS 1631:2015 (Ed. 1)	<i>Plastic based push-fit fittings for copper tubes.</i> Covers plastics based push-fit fittings for use with copper tubes that comply with the requirements of SANS 460 for sizes 8 mm to 54 mm tubes.
SANS 1683:2015 (Ed. 1)	<i>Moringa.</i> Covers the production and product requirements of Moringa oleifera.
SANS 1719:2015 (Ed. 1)	<i>Set-top box decoders for free-to-air Direct-to-Home (DTH) digital satellite Television.</i> Specifies minimum technical requirements for direct-to-home (DTH) set-top box (STB) decoders for those communities that are not covered by digital terrestrial television (DTT) transmissions.
SANS 1980:2015 (Ed. 1)	<i>Standard practice for calculating solar reflectance index of horizontal and low-sloped opaque surfaces.</i> Covers the calculation of the Solar Reflectance Index (SRI) of horizontal and low-sloped opaque surfaces at standard conditions. Is intended to calculate SRI for surfaces with emissivity greater than 0.1.
SANS 1982:2015/ ASTM C1549:2009	<i>Standard test method for determination of solar reflectance near ambient temperature.</i> Covers a technique for determining the solar reflectance of flat opaque materials in a laboratory or in the field using a commercial portable solar reflectometer.
SANS 2597-2:2015/ ISO 2597-2:2008	<i>Iron ores - Determination of total iron content Part 2: Titrimetric methods after titanium(III) chloride reduction.</i> Specifies two titrimetric methods, free from mercury pollution, for the determination of total iron content in iron ores, using potassium dichromate as titrant after reduction of the iron(III) by tin(II) chloride and titanium(III) chloride.
SANS 3691-5:2015/ ISO 3691-5:2009	<i>Industrial trucks - Safety requirements and verification Part 5: Pedestrian-propelled trucks.</i> Provides safety requirements and the means for their verification for different types of pedestrian-propelled trucks, equipped with load-handling devices for normal industrial duties, e.g fork arms and platforms, or integrated attachments for special applications.
SANS 8371:2015/ ISO/8371:2007	<i>Iron Ores - for blast furnace feedstocks - Determination of the decrepitation index.</i> Specifies a method to provide a relative measure for evaluating the degree of size degradation caused by rapid heating of iron ores. Specifies the determination of the decrepitation index. Applicable to lump ores for blast furnace feedstocks.
SANS 9683-1:2015/ ISO 9683-1:2006	<i>Iron ores - Determination of vanadium - Part 1: BPHA spectrophotometric method.</i> Specifies a spectrophotometric method using N-benzoyl-phenylhydroxylamine (BPHA) for the determination of the mass fraction of vanadium in iron ores.

Standard No. and year	Title, scope and purport
SANS 18013-4:2015/ ISO/IEC 18013-4:2011	<i>Information technology - Personal identification - ISO-compliant driving licence - Part 4: Test methods.</i> Specifies the test methods used for conformity testing, that is, methods for determining whether a driving licence can be considered to comply with the requirements of the ISO/IEC 18013 series of standards (published in South Africa as identical adoptions under the designations SANS 18013).
SANS 18605:2015/ ISO 18605:2013	<i>Packaging and the environment - Energy recovery.</i> Specifies the requirements for packaging to be classified as recoverable in the form of energy recovery and sets out assessment procedures for meeting the requirements of ISO 18601 (published in South Africa as an identical adoption under the designation SANS 18601).
SANS 22915-4:2015/ ISO 22915-4:2009	<i>Industrial trucks - Verification of stability Part 4: Pallet stackers, double stackers and order-picking trucks with operator position elevating up to and including 1 200 mm lift height.</i> Specifies tests for verifying the stability of pallet stackers, double stackers, and order-picking trucks with an operator position elevating up to and including 1 200 mm lift height, measured from the ground to the floor of the platform.
SANS 22915-7:2015/ ISO 22915-7:2009	<i>Industrial trucks - Verification of stability Part 7: Bidirectional and multidirectional trucks.</i> Specifies the tests for verifying the stability of bidirectional and multidirectional trucks with tilting or non-tilting mast or fork arms.
SANS 22915-8:2015/ ISO 22915-8:2008	<i>Industrial trucks - Verification of stability Part 8: Additional stability test for trucks operating in the special condition of stacking with mast tilted forward and load elevated.</i> Deals with the safety of industrial trucks, relative to their stability and the verification of that stability.
SANS 22915-20:2015/ ISO 22915-20:2008	<i>Industrial trucks - Verification of stability Part 20: Additional stability test for trucks operating in the special condition of offset load, offset by utilization.</i> Deals with the safety of industrial trucks, relative to their stability and the verification of that stability.
SANS 23185:2015/ ISO 23185:2009	<i>Assessment and benchmarking of terminological resources - General concepts, principles and requirements.</i> Describes fundamental concepts related to the effective use of terminological data. Provides general principles for a model applicable to a variety of terminological resources and clarifies the usability attributes that constitute the model.
SANS 24610-2:2015/ ISO 24610:2011	<i>Asset management-Overview, principles and terminology.</i> Provides an overview of asset management, its principles and terminology, and the expected benefits from adopting asset management systems.
SANS 24610-2:2015/ ISO 24610-2:2011	<i>Language resource management -Feature structures - Part 2 Feature system declaration.</i> Provides a format to represent, store or exchange feature structures in natural language applications for both annotation and production of linguistic data. Designed to provide a computer format to define a type hierarchy and to declare the constraints that bear on a set of feature specifications and operations on feature structures, thus offering means to check the conformance of each feature structure with regards to a reference specification.
SANS 26162:2015/ ISO 26162:2012	<i>Systems to manage terminology knowledge and content - Design implementation and maintenance of terminology management systems.</i> Specifies criteria for designing/implementing and maintaining terminology management systems (TMSs). Provides information about the rationale for using a TMS, types of users and users' needs, steps in designing and implementing a TMS as well as the tasks of organizing and managing a terminological data collection (TDC). Provides guidelines for selecting and using data categories for managing terminology in various environments
SANS 50004:2015/ ISO 50004:2011	<i>Energy management systems - Guidance for the implementation, maintenance and improvement of an energy management system.</i> Provides practical guidance and examples for establishing, implementing, maintaining and improving an energy management system (EnMS) in accordance with the systematic approach of ISO 5001.
SANS 50006:2015/ ISO 50006:2011	<i>Energy management systems - Measuring energy performance using energy baselines (EnB) and energy performance indicators (EnPI) - General principles and guidance.</i> Provides guidance to organizations on how to establish, use and maintain energy performance indicators (EnPIs) and energy baselines (EnBs) as part of the process of measuring energy performance. Applicable to any organization, regardless of its size, type, location or level of maturity in the field of energy management.
SANS 53411-1:2015/ EN 13411-1:2002	<i>Terminations for steel wire ropes - Safety Part 1: Thimbles for steel wire rope slings.</i> Specifies the minimum requirements for non welded general purpose steel thimbles produced from plate having dimensions in accordance with Figure 1. Reeving thimbles and solid thimbles are not covered by this standard.
SANS 53411-2:2015/ EN 13411-2:2001	<i>Terminations for steel wire ropes - Safety Part 2: Splicing of eyes for wire rope slings.</i> Specifies minimum requirements for the splicing of eye terminations for six or eight strand steel wire ropes of up to 60 mm diameter complying with prEN 12385-4 used for slings to ensure that the spliced eye is strong enough to withstand a force of at least 80 % of the minimum breaking load of the rope.
SANS 53411-3:2015/ EN 13411-3:2001	<i>Terminations for steel wire ropes - Safety Part 3: Ferrules and ferrule-securing.</i> Deals with the requirements for the ferrule-securing of eyes and endless loops. Also deals with the requirements for ferrules for the ferrule-securing of eyes and endless loops, and applies to the ferrule-securing of eye terminations formed either by a Flemish eye or turn back eye and covers ferrules made of non-alloy carbon steel and aluminium. Applies to slings and assemblies using steel wire ropes for general lifting applications up to and including 60 mm diameter conforming to EN 12385-4, lift ropes conforming to EN 12385-5 and spiral strand ropes conforming to EN 12385-10.
SANS 53411-4:2015/ EN 13411-4:2001	<i>Terminations for steel wire ropes - Safety Part 4: Metal and resin socketing.</i> Specifies the minimum requirements for the molten metal and resin socketing of steel wire ropes within the scopes of EN 12385-4:2002+A1:2008; EN 12385-5:2002; EN 12385-6:2004; EN 12385-7:2002; EN 12385-8:2002; EN 12385-9:2002 and EN 12385-10:2003+A1:2008. Applicable only to those requirements that ensure that the socketing is strong enough to withstand a force of at least 100 % of the minimum breaking force of the rope (i.e. socket termination efficiency factor KT = 1,0)

Standard No. and year	Title, scope and purport
SANS 53411-5:2015/ EN 13411-5:2003	<i>Terminations for steel wire ropes - Safety Part 5: U-bolt wire rope grips.</i> Specifies the minimum requirements for U-bolt wire rope grips manufactured from ferrous materials and the safe behaviour of eye terminations secured by U-bolt wire rope grips for use as intended by the manufacturer. Suitable uses include suspending static loads and single use lifting operations which have been assessed by a competent person taking into account appropriate safety factors. U-bolt wire rope grips are not suitable for use with spiral ropes. Does not cover U-bolt wire rope grips as the primary securing devices on mine hoists, crane hoists or eye terminations for slings for general lifting service.
SANS 53411-6:2015/ EN 13411-6:2004	<i>Terminations for steel wire ropes - Safety Part 6: Asymmetric wedge socket.</i> Specifies the minimum requirements, for asymmetrical wedge socket terminations for stranded steel wire ropes. Examples of the construction and sizes of two separate designs of asymmetric wedge sockets are given in informative annexes A and B. Deals with all significant hazards, hazardous situations and events relevant to asymmetric wedge sockets for terminations for steel wire ropes, when used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer. Applies to terminations of steel wire ropes with asymmetrical wedge sockets which are manufactured after the date of its publication. Does not cover rope fatigue.
SANS 53411-7:2015/ EN 13411-7:2006	<i>Terminations for steel wire ropes - Safety Part 7: Symmetric wedge socket.</i> Specifies the minimum requirements for symmetrical wedge socket terminations for stranded steel wire ropes conforming to EN 12385-5 for lifts. Covers those symmetric wedge sockets intended for use at temperatures between -20 °C and 100 °C. Only covers those symmetric wedge sockets that have welded socket bodies. Deals with all significant hazards, hazardous situations and events relevant to symmetric wedge sockets for terminations for steel wire ropes, when used as intended and under conditions of misuse which are reasonable foreseeable by the manufacturer. Applies to symmetric wedge sockets, which are manufactured after the date of its publication.
SANS 53411-8:2015/ EN 13411-8:2011	<i>Terminations for steel wire ropes - Safety Part 8: Swage terminals and swaging.</i> Specifies the minimum requirements for swage terminals and the securing of such terminals by a swaging process to carbon steel rope conforming to EN 12385-4 and EN 12385-5, spiral strand rope conforming to EN 12385-10 and stainless steel stranded rope. Is not applicable to spiral rope incorporating full lock wires - see EN 12385-10 -, nor ropes with coverings and/or fillings (see 3.6.3 of EN 12385-2:2002+A1:2008). Applicable to swaged terminations that have a terminal efficiency factor, KT, of at least 0,9 and are used as part of a wire rope accessory such as a sling, or wire rope assembly that performs a raising, lowering, hauling or supporting function on lifting machinery.
SANS 60079-29-3:2015/ IEC 60079-29-3:2014	<i>Explosive atmospheres - Part 29-3: Gas detectors - Guidance on functional safety of fixed gas detection systems.</i> Gives guidance for the design and implementation of a fixed gas detection system, including associated and/or peripheral gas detection equipment, for the detection of flammable gases/vapours and oxygen when used in a safety-related application in accordance with IEC 61508 and IEC 61511. Applies to the detection of toxic gases.
SANS 60229:2015/ IEC 60229:2007	<i>Electric cables - Tests on extruded oversheaths with a special protective function.</i> Provides a range of tests which may be required for electric cables which have an extruded oversheath and where that oversheath performs a special protective function. Covers cables for use in insulated systems and in uninsulated systems.
SANS 60350-1:2015/ IEC 60350-1:2011	<i>Household electric cooking appliances - Part 1: Ranges, ovens, steam ovens and grills - Methods for measuring performance.</i> Specifies methods for measuring the performance of electric cooking ranges, ovens, steam ovens, and grills for household use. The ovens covered by this standard may be with or without microwave function.
SANS 61534-21:2015/ IEC 61534-21:1111	<i>Powertrack systems - Part 21: Particular requirements for powertrack systems intended for wall and ceiling mounting.</i> Specifies the particular requirements and tests for PT systems intended for mounting on walls or ceilings (or both).
SATR 61850-7-510:2015/ IEC 61850-7-50:2012	<i>Communication networks and systems for power utility automation - Part 7-510: Basic communication structure - Hydroelectric power plants - Modelling concepts and guidelines.</i> Provides explanations on how to use the Logical Nodes defined in the IEC 61850 series (in South Africa available as the SANS 61580 series) to model complex control functions in power plants, including variable speed pumped storage power plants.
SATR 61850-90-5:2015/ IEC 61850-90-5:2012	<i>Communication networks and systems for power utility automation - Part 90-5: Use of IEC 61850 to transmit synchrophasor information according to IEEE C37.118.</i> Provides a way of exchanging synchrophasor data between PMUs, PDCs, WAMPAC (Wide Area Monitoring, Protection, and Control), and between control centre applications. The data, to the extent covered in IEEE C37.118-2005, are transported in a way that is compliant to the concepts of IEC 61850.
SANS 61851-23:2015/ IEC 61851-23:2014	<i>Electric vehicle conductive charging system - Part 23: DC electric vehicle charging station.</i> Gives the requirements for d.c. electric vehicle (EV) charging stations, herein also referred to as "DC charger", for conductive connection to the vehicle, with an a.c. or d.c. input voltage up to 1 000 V a.c. and up to 1 500 V d.c. in accordance with IEC 60038.
SANS 61851-24:2015/ IEC 61851-24:2014	<i>Electric vehicle conductive charging system - Part 24: Digital communication between a d.c. EV charging station and an electric vehicle for control of d.c. charging.</i> Applies to digital communication between a d.c. EV charging station and an electric road vehicle (EV) for control of d.c. charging, with an a.c. or d.c. input voltage up to 1 000 V a.c. and up to 1 500 V d.c. for the conductive charging procedure.
SANS 61869-4:2015/ IEC 61869-4:2013	<i>Instrument transformers - Part 4: Additional requirements for combined transformers.</i> Applies to newly-manufactured combined transformers for use with electrical measuring instruments and electrical protective devices at frequencies from 15 Hz to 100 Hz.
SANS 62052-21:2015/ IEC 62052-21:2004	<i>Electricity metering equipment (a.c.) - General requirements, tests and test conditions - Part 21: Tariff and load control equipment.</i> Specifies general requirements for the type test of newly manufactured indoor tariff and load control equipment, like electronic ripple control receivers and time switches that are used to control electrical loads, multi-tariff registers and maximum demand indicator devices.

**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 151:2015/ (Ed. 8)	<i>Fixed electric storage water heaters.</i> Specifies the characteristics of thermostatically controlled fixed electric storage water heaters intended for indoor and outdoor domestic use and for operation on a.c. supplies at voltages not exceeding 250 V for single-phase and 480 V for other appliances.
SANS 241-1:2015/ (Ed. 2)	<i>Drinking water Part 1: Microbiological, physical, aesthetic and chemical determinants.</i> Specifies the quality of acceptable drinking water, defined in terms of microbiological, physical, aesthetic and chemical determinands.
SANS 241-2:2015/ (Ed. 2)	<i>Drinking water Part 2: Application of SANS 241-1.</i> Deals with the evaluation of water quality risks, monitoring and verification of water quality to enable the management of the identified water quality risks. Is not intended to provide a comprehensive water management plan, which is required for the implementation of a water safety plan that deals with related issues such as water quantity, finance and maintenance. Applies to all water services institutions or water services intermediaries (or both).
SANS 543:2015/ (Ed. 5)	<i>Fire hose reels.</i> Specifies requirements for the construction and performance of fire hose reel systems with semi-rigid hoses for installation in buildings and other construction works, permanently connected to a water supply.
SANS 558:2015/ (Ed. 3.6)	<i>Cast iron surface boxes and manhole and inspection covers and frames. Consolidated edition incorporating amendment No. 6.</i> Amended to update the requirements for types, and the dimensions of certain figures.
SANS 731-1:2015/ (Ed. 4.2)	<i>Road markings Part 1: Single-pack solvent-borne paints. Consolidated edition incorporating amendment No. 6.</i> Amended to update referenced standards, and to change requirements for retroreflectivity and skid resistance.
SANS 731-2:2015/ (Ed. 1.2)	<i>Road markings Part 2: Single-pack water-borne paints. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards, and to change requirements for retroreflectivity and skid resistance.
SANS 754:2015/ (Ed. 5.1)	<i>Eucalyptus poles, cross-arms and spacers for power distribution and communications systems. Consolidated edition incorporating amendment No. 1.</i> Amended to delete the introduction, to add the definitions of "air seasoning" and "kiln drying", and to renumber the definitions accordingly, to modify the table on species of timber, to update the requirements for strength, to delete a note, to modify a requirement for the length of poles and cross-arms, to add a new clause on seasoning of poles, and to renumber subclauses accordingly, to add requirements for preservative treatment process, depth of penetration of preservative, and marking, to include a new subclause on colour coding of top diameters, to update cross references, to update the annexes on notes to purchasers, bending strength (MOR) for poles and cross-arms, and methods of binding and nail plaiting, to delete the table on dimensions and strength values for poles and cross-arms, to update the table on dimensions and corresponding volumes for poles and cross-arms, to delete the annex on mean bending strength values, to add a new annex on colour coding of poles and cross-arms (annex I), and to renumber an annex accordingly.
SANS 882:2015 (Ed. 2)	<i>Envelopes.</i> Covers envelopes that are used for general correspondence and that comply with postal requirements, including types that are suitable for use with automatic mailing equipment.
SANS 936:2015/ (Ed. 1.3)	<i>Spheroidal graphite iron castings. Consolidated edition incorporating amendment No. 3.</i> . Amended to update a referenced standard.
SANS 995:2015/ (Ed. 3)	<i>Chamois leathers.</i> Covers two types of chamois leathers made from the flesh split of sheepskins that have been tanned with fish oil and that may have been given an aldehyde pretannage.
SANS 956-6:2015 (Ed. 2)	<i>Financial services - Universal financial industry message scheme Part 6: Message transport characteristics.</i> Specifies the characteristics of the MessageTransportSystem required for an ISO 20022 BusinessTransaction and MessageDefinition.
SANS 1056-3:2015 (Ed. 2.4)	<i>Ball valves Part 3: Light duty valves (not fire-safe). Consolidated edition incorporating amendment No. 4.</i> Amended to update requirements for class and requirements for end connections.
SANS 1063:2015 (Ed. 4)	<i>Earth rods, couplers and connections.</i> Specifies requirements for metallic earth rods, couplers and connections intended to be driven direct into the ground or installed into predrilled holes as part of an earthing system. Covers copper rods, copper-electroplated steel rods, stainless steel rods, galvanized steel rods and fusion copper bonded steel rods. Also covers mechanical and welded coupling and connection methods.
SANS 1067-3:2015 (Ed. 1.1)	<i>Copper-based fittings for copper tubes Part 3: Push-fit fittings. Consolidated edition incorporating amendment No. 1.</i> Amended to update the annex on method for testing the resistance of joints with metallic tube to pressure cycling.
SANS 1123:2015 (Ed. 3.3)	<i>Pipe flanges. Consolidated edition incorporating amendment No. 1. Consolidated edition incorporating amendment No. 3.</i> XXXXXX
SANS 1147:2015 (Ed. 2)	<i>Leather school bags and school brief-cases.</i> Covers three types of cases suitable for use by school children.
SANS 1217:2015 (Ed. 2.1)	<i>Internal and external organic coating protection for buried steel pipelines. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards, and the clauses on toxicity and tainting properties of lining materials for use in contact with potable water, and examination of test aqueous extract to bring them in line with SANS 241-1.
SANS 1244:2015/ (Ed. 1.3)	<i>Tubular steel framed chairs and stools. Consolidated edition incorporating amendment No. 3.</i> Amended to modify the requirements of timber used for the determination for the clear grade timber and to update referenced standards.

Standard No. and year	Title, scope and purport
SANS 1297:2015/ (Ed. 2)	<i>Leather gloves.</i> Covers requirements for the materials, construction and sizes for five types of men's and ladies's lined or unlined gloves made from leather.
SANS 1298:2015/ (Ed. 2)	<i>Ladies' fashion handbags.</i> Covers the materials, basic design, and construction of three basic types of handbag with a leather or coated fabric outer.
SANS 1438-3:2015 (Ed. 1.5)	<i>Helmet light assemblies for miners Part 3: Cables. Consolidated edition incorporating amendment No. 5.</i> Amended to update referenced standards, and to delete reference to the South African Bureau of Standards (SABS) as a registration organization.
SANS 1465-2:2015 (Ed. 1.2)	<i>Steel castings for general engineering applications Part 2: Wear-resistant carbon and low alloy steel castings. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 1507-2:2015 (Ed. 1.2)	<i>Electric cables with extruded solid dielectric insulation for fixed installations (300/500 V to 1 900/3 300 V) Part 2: Wiring cables. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 1507-3:2015 (Ed. 1.2)	<i>Electric cables with extruded solid dielectric insulation for fixed installations (300/500 V to 1 900/3 300 V) Part 3: PVC Distribution cables. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 1507-6:2015 (Ed. 1.3)	<i>Electric cables with extruded solid dielectric insulation for fixed installations (300/500 V to 1 900/3 300 V) Part 6: Service cables. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards..
SANS 1523:2015 (Ed. 2)	<i>Sheepskins (for medical use).</i> Covers woollen sheepskins for medical use.
SANS 1526:2015 (Ed. 3)	<i>Thermoplastics polyolefin sheeting for use as a geomembrane. Covers requirements for thermoplastics sheeting for use as geomembranes.</i>
SANS 1540:2015 (Ed. 2)	<i>Men's and women's leather belts.</i> Covers the requirements for the materials, basic design, size and construction of lined, unlined and reversible men's and women's leather belts.
SANS 1543:2015 (Ed. 2.3)	<i>Escalators and passenger conveyors. Consolidated edition incorporating amendment No. 3.</i> Amended to modify the annex on the comprehensive report for escalators and passenger conveyors (annex B).
SANS 1545-1:2015 (Ed. 3.5)	<i>Safety rules for the construction and installation of lifts Part 1: Electric lifts. Consolidated edition incorporating amendment No. 5.</i> Amended to update the annex on comprehensive report for electric lifts (annex B).
SANS 1545-2:2015 (Ed. 3.4)	<i>Safety rules for the construction and installation of lifts Part 2: Hydraulic lifts. Consolidated edition incorporating amendment No. 4.</i> Amended to update the annex on comprehensive report for hydraulic lifts.
SANS 1545-4:2015 (Ed. 1.3)	<i>Safety rules for the construction and installation of lifts - Part 4: Lifts for persons with disabilities (vertical lifting platforms). Consolidated edition incorporating amendment No. 3.</i> Amended to update the annex on comprehensive report for lifts for persons with disabilities (vertical lifting platforms) (annex E).
SANS 1545-6:2015 (Ed. 1.3)	<i>Safety rules for the construction and installation of lifts Part 6: Rack-and-pinion lifts. Consolidated edition incorporating amendment No. 3.</i> Amended to update the annex on comprehensive report for rack-and-pinion lifts (annex O).
SANS 1556-1:2015 (Ed. 1.3)	<i>ISO metric screw threads Part 1: Principles and basic data for general purpose screw threads. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards.
SANS 1576:2015 (Ed.1.3)	<i>Electric cables - Single core arc welding cable. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards
SANS 1619:2015 (Ed.2. 4)	<i>Small power distribution units (ready-boards) for single-phase 230 V service connections. Consolidated edition incorporating amendment No. 4.</i> Amended to update referenced standards.
SANS 1627:2015 (Ed.1. 2)	<i>Electrodeposited coatings of gold and gold alloys for decorative and protective purposes. Consolidated edition incorporating amendment No. 2.</i> Amendment to update reference standards.
SANS 1674:2015 (Ed.2)	<i>Disinfectants based on iodophors. Consolidated edition incorporating amendment No.3</i> Amended to update the scope, to rectify the hydration indicated for calcium chloride in the test for bactericidal efficacy and to delete the footnote to the subclause on test organisms in the clause on inspection and methods of test.
SANS 1748-1:2015 (Ed.1.2)	<i>Glass-fibre-reinforced thermosetting plastics (GRP) pipes Part 1: Consolidated edition incorporating amendment No.2. Pipes for water supply, sewerage and drainage. Amended to update referenced standards.</i>
SANS 1748-3:2015 (Ed.1.1)	<i>Glass-fibre-reinforced thermosetting plastics (GRP) pipes Part 3: Pipes, fittings and ancillaries for underground (buried) fire protection services. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 1869:2015 (Ed. 2)	<i>Chrome-tanned bend outer sole leather.</i> Specifies requirements for chrome tanned, wax impregnated, bend outer sole leather.
SANS 1873:2015 (Ed. 2)	<i>Vegetable-tanned bend outer sole leather. Specifies requirements for vegetable-tanned bend outer sole leather.</i>
SANS 1874:2015 (Ed. 3)	<i>Switchgear - Metal-enclosed ring main units for rated a.c. voltages above 1 kV and up to and including 36 Kv.</i> Specifies the characteristics of new, factory-assembled metal-enclosed ring main units that are rated for use on a three-phase cable system for rated a.c. voltages above 1 kV and up to and including 36 kV, and are designed for indoor or outdoor operation at a rated frequency of 50 Hz.

Standard No. and year	Title, scope and purport
SANS 1885:2015 (Ed. 2.3)	<i>AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 36 kV. Consolidated edition incorporating amendment No. 3.</i> Amended to change the designation "SANS 1885/NRS 003" to read "SANS 1885", to update the introduction, to number the definitions, to update referenced standards, and to correct a classification number in an example of internal arc classified switchgear and controlgear (in annex B).
SANS 1887-1:2015 (Ed. 1.2)	<i>Tissue paper Part 1: General requirements. Consolidated edition incorporating amendment No. 2.</i> Amended to delete the requirements and test for softness.
SANS 1887-2:2015 (Ed. 1.3)	<i>Tissue paper Part 2: Toilet paper. Consolidated edition incorporating amendment No. 3.</i> Amended to delete the test for softness.
SANS 1887-3:2015 (Ed. 1.1)	<i>Tissue paper Part 3: Facial tissues. Consolidated edition incorporating amendment No. 1.</i> Amended to delete the test for softness.
SANS 1887-7:2015 (Ed. 1.2)	<i>Tissue paper Part 7: Facial tissues. Consolidated edition incorporating amendment No. 2.</i> Amended to delete the test for softness.
SANS 4918:2015/ ISO 4918:2009 (Ed. 2)	<i>Resilient, textile and laminate floor coverings - Castor chair test.</i> Specifies methods for: assessment of the wear behaviour of textile floor coverings; assessment of the change in colour (glossing) of needled floor coverings without a pile; assessment of the general structural integrity of textile floor coverings; and determination of susceptibility to surface crazing, of construction integrity and of joint stability for resilient or laminate floor coverings, including joints.
SANS 5030:2015 (Ed. 3.2)	<i>Paints and varnishes - Panels for testing: Fibre-cement panels. Consolidated edition incorporating amendment No. 2.</i> Amended to update normative references.
SANS 5616:2015/ SM 616:2001 (Ed. 4)	<i>Preparation of samples (leather, elastomeric material and other footwear materials).</i> Specifies a method for the preparation of samples (leather, elastomeric materials and other footwear materials).
SANS 5618:2015/ SM 618:2001 (Ed. 4)	<i>Leather - Matter extractable by petroleum ether.</i> Specifies a method for the determination of matter extractable by petroleum ether.
SANS 5619:2015/ SM 619:2001 (Ed. 4)	<i>Determination of water-soluble matter content in leather. Specifies a method for the determination of the water-soluble content in leather.</i>
SANS 5624:2015/ SM 624:1972 (Ed. 3)	<i>Determination of hide substance of leather.</i> Describes a method and the apparatus for the determination of the hide substance of leather.
SANS 5627:2015/ SM 627:1972 (Ed. 3)	<i>Determination of magnesium sulphate content of leather by complexometric titration.</i> Specifies a method for the determination of the magnesium sulphate content of leather by complexometric titration.
SANS 5632:2015/ SM 632:1968 (Ed. 2)	<i>Determination of dynamic waterproofness of sole leather.</i> Specifies a method for the determination of dynamic waterproofness of sole leather.
SANS 5633:2015/ SM 632:1968 (Ed. 2)	<i>Determination of wet stitch tear strength (leather, leatherboard, fibreboard).</i> Specifies a method for the determination of the wet stitch tear strength of leather, leatherboard of fibreboard inner soles or inner-sole material for footwear.
SANS 5636:2015/ SM 632:1972 (Ed. 3)	<i>Determination of tensile strength, percentage elongation caused by a specified force, and percentage elongation at break of leather.</i> Describes a method of test for the determination of tensile strength, percentage elongation caused by a specified force, and percentage elongation at break of leather.
SANS 5638:2015/ SM 638:1968 (Ed. 2)	<i>Determination of dynamic waterproofness of upper leather.</i> Specifies a method for the determination of the dynamic waterproofness of upper leather.
SANS 564:2015/ SM 664:1968 (Ed. 2)	<i>Determination of flex resistance (leather fibreboard and cellulose fibreboard inner soles).</i> Specifies a method for the determination of the flex resistance of leather fibreboard and cellulose fibreboard inner soles.
SANS 5648:2015/ SM 648:1968 (Ed. 3)	<i>Identification of organic retanned matter in chrome retanned leather.</i> Specifies a method for the identification of organic retanned matter in chrome retanned leather.
SANS 5668:2015/ SM 668:1968 (Ed. 3)	<i>Measurement of set in lasting of leather with the dome plasticity apparatus.</i> Describes a method and the apparatus for the measurement of set in lasting of leather with the dome plasticity apparatus.
SANS 5669:2015/ SM 669:1968 (Ed. 2)	<i>Measurement of distension and strength of grain of leather by the ball burst test.</i> Specifies the ball burst test for the measurement of the distension and strength of grain of leather.
SANS 5884:2015/ SM 884:1977 (Ed. 2)	<i>Scuff damage by impact on leather.</i> Specifies a method for the determination of the scuff damage by impact on leather.

Standard No. and year	Title, scope and purport
SANS 5885:2015/ SM 885:1977 (Ed. 2)	<i>Assessment of scuff damage to leather (viewing box method).</i> Specifies a test method for the assessment of scuff damage to leather.
SANS 3001-GR51:2015 (Ed. 1.2)	<i>Civil engineering test methods Part GR51: Sampling, preparation, compaction and curing of field mixed freshly cementitious stabilized materials including the determination of the maximum dry density and optimum moisture content. Consolidated edition incorporating amendment No. 2.</i> Amended to change the aperture size of sieves in the apparatus clause.
SANS 3001-GR30:2015 (Ed. 1.2)	<i>Civil engineering test methods Part GR30: Determination of the maximum dry density and optimum moisture content. Consolidated edition incorporating amendment No. 2.</i> Applies to gravel, sand and soil (silts and clays) and describes a method to determine the relationship between the moisture content and dry density of a material compacted in a 152 mm diameter mould, using a total effort of 2 427 kNm/m <sup>3</sup> , and the maximum dry density and optimum moisture content from the relationship (compaction curve) obtained.
SANS 6002:2015/ SM 1002:2004 (Ed. 2.1)	<i>Colour fastness of textile floor coverings to shampooing. Consolidated edition incorporating amendment No. 1.</i> Amended to update a referenced standard.
SANS 10076-1:2015 (Ed. 4.1)	<i>The assessment of defects in textile piece-goods and made-up articles Part 1: Defects in woven piece-goods (cellulosic and cellulosic blends). Consolidated edition incorporating amendment No. 1.</i> Amended to update the footnote to the clause on colour matching.
SANS 10076-2:2015 (Ed. 2.1)	<i>The assessment of defects in textile piece-goods and made-up articles Part 2: Defects in woven terry towelling. Consolidated edition incorporating amendment No. 1.</i> Amended to update the footnote to the clause on colour matching.
SANS 10076-3:2015 (Ed. 2.1)	<i>The assessment of defects in textile piece-goods and made-up articles Part 3: Defects in woven ducks. Consolidated edition incorporating amendment No. 1.</i> Amended to update the footnote to the clause on colour matching.
SANS 10076-4:2015 (Ed. 2.1)	<i>The assessment of defects in textile piece-goods and made-up articles Part 4: Defects in knitted piece-goods. Consolidated edition incorporating amendment No. 1.</i> Amended to update the footnote to the clause on colour matching.
SANS 10076-5:2015 (Ed. 2.1)	<i>The assessment of defects in textile piece-goods and made-up articles Part 5: Defects in woven woollen and worsted piece-goods. Consolidated edition incorporating amendment No. 1.</i> Amended to update the footnote to the clause on colour matching.
SANS 10076-6:2015 (Ed. 2.1)	<i>The assessment of defects in textile piece-goods and made-up articles Part 6: Defects in woven filament piece-goods. Consolidated edition incorporating amendment No. 1.</i> Amended to update the footnote to the clause on colour matching.
SANS 10087-3:2015 (Ed. 5)	<i>The handling, storage, distribution and maintenance of liquefied petroleum gas in domestic, commercial and industrial installations involving storage vessels of individual water capacity exceeding 500L.</i> Specifies requirements for the layout
SANS 10091:2015/ (Ed. 1.2)	<i>The safe working of power-driven woodworking machinery. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards and to move reference to legislation in the text to the foreword.
SANS 10200:2012/ (Ed. 2)	<i>Neutral earthing in medium voltage industrial power systems.</i> Covers general principles and design criteria that apply to the method of earthing the neutral conductor in medium voltage power systems above 1 kV to 33 kV.
SANS 10222-5-1-4:2015 (Ed. 1.1)	<i>Electrical security installations Part 5-1-4: CCTV installations - CCTV surveillance systems for use in security applications - Testing, commissioning and hand-over requirements. Consolidated edition incorporating amendment No. 1.</i> Amended to delete reference to Standards South Africa as an approving authority.
SANS 10222-5-1-5:2015 (Ed. 1.1)	<i>Electrical security installations Part 5-1-5: CCTV installations - CCTV surveillance systems for use in security applications - Maintenance requirements. Consolidated edition incorporating amendment No. 1.</i> Amended to delete reference to South African legislation in the text, and to update the subclause on contents of the maintenance agreement to include all currencies.
SANS 10239:2015 (Ed. 2)	<i>Hygienic practices on commercial fishing vessels.</i> Establishes general principles for certain aspects of the design, construction and operation of factory vessels and other commercial fishing vessels. Covers on-board activities related to the hygienic conduct of the crew and the hygienic handling of marine products for human consumption.
SANS 10263-0:2015 (Ed. 1.2)	<i>The warehousing of dangerous goods Part 0: General requirements. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards, and to update hazard class diamonds.
SANS 10263-5:2015 (Ed. 1.2)	<i>The warehousing of dangerous goods Part 5: The storage and handling of oxidizing substances. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 10269:2015 (Ed. 1.4)	<i>Welding of thermoplastics - Testing and approval of welders. Consolidated edition incorporating amendment No. 4.</i> Amended to remove reference to a South African qualification and certification committee.
SANS 10270:2015 (Ed. 1.3)	<i>Welding of thermoplastics - Approval of welding procedures and welds. Consolidated edition incorporating amendment No. 3.</i> Amended to update the subclause on abbreviations.
SANS 10361:2015 (Ed. 2)	<i>Textile floor coverings-Production of changes in appearance by means of Vettermann drum and hexapod tumbler tester.</i> Describes procedures for using the Vettermann drum tester and the hexapod tumbler tester to produce changes in appearance for all floor coverings due to changes in surface structure and colour produced by mechanical agencies.



Standard No. and year	Title, scope and purport
SANS 10407:2015 (Ed. 2)	<i>Thatched roof construction.</i> Covers the design of the supporting roofing structure and installation of thatch on roofing structures.
SANS 60034-18-41:2015/ IEC 60034-18-41:2009 (Ed. 2)	<i>Rotating electrical machines - Part 18-41: Partial discharge free electrical insulation systems (type I) used in rotating electrical machines fed from voltage converters - Qualification and quality control tests.</i> Defines criteria for assessing the insulation system of stator/rotor windings which are subjected to voltage-source pulse-width-modulation (PWM) drives. Applies to stator/rotor windings of single or polyphase AC machines with insulation systems for converter operation. Describes qualification tests and quality control (type and routine) tests on representative samples or on completed machines that verify fitness for operation with voltage source converters.
SANS 60065:2015/ IEC 60065:2008 (Ed. 4)	<i>Audio, video and similar electronic apparatus - Safety requirements.</i> Applies to electronic apparatus designed to be fed from the mains, from a supply apparatus, from batteries or from remote power feeding and intended for reception, generation, recording or reproduction of audio, video and associated signals. Also applies to apparatus designed to be used exclusively in combination with the above-mentioned apparatus.
SATR 60269-5:2015/ IEC/TR 60269-5:2014 (Ed. 2)	<i>Low-voltage fuses - Part 5: Guidance for the application of low-voltage fuses.</i> Serves as an application guide for low-voltage fuses, and shows how current-limiting fuses are easy to apply to protect today's complex and sensitive electrical and electronic equipment. Covers low-voltage fuses up to 1 000 V a.c. and 1 500 V d.c. designed and manufactured in accordance with this series. Provides important facts as well as information on the application of fuses.
SANS 60754-1:2015/ IEC 60754-1:2015 (Ed. 2)	<i>Test on gases evolved during combustion of materials from cables - Part 1: Determination of the halogen acid gas content.</i> Specifies the apparatus and procedure for the determination of the amount of halogen acid gas, other than hydrofluoric acid, evolved during the combustion of compounds based on halogenated polymers and compounds containing halogenated additives taken from electric or optical fibre cable constructions.
SANS 60754-2:2015/ IEC 60754-2:2015 (Ed. 2)	<i>Test on gases evolved during combustion of materials from cables Part 2: Determination of acidity (by pH measurement) and conductivity.</i> Specifies the apparatus and procedure for the determination of the potential corrosivity of gases evolved during the combustion of materials taken from electric or optical fibre cable constructions by measuring the acidity (pH) and conductivity of an aqueous solution resulting from the gases evolved during the combustion.
SANS 60947-1:2015/ IEC 60947-1:2012 (Ed. 5.2)	<i>Low-voltage switchgear and controlgear Part 1: General rules. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards and the scope, to add definitions, to update the requirements on characteristics, product information, constructional and performance, tests, annex for harmonisation of utilization categories for low-voltage switchgear and controlgear (annex A), degrees of protection of enclosed equipment (annex C), clamping units and relationship between clamping units and connecting devices (annex D), flammability test (annex M), environmentally conscious design (annex O), and annex on special test damp heat, salt mist, vibration and shock, to introduce an annex on procedure to determine reliability data for electromechanically devices used in functional safety application (annex K), extended functions within electronic overload relays (annex U), power management with switchgear and controlgear for electrical energy efficiency (annex V) and procedure to establish material declaration (annex W).
SANS 60947-4-3:2015/ IEC 60947-4-3:2014 (Ed. 2)	<i>Low-voltage switchgear and controlgear Part 4-3: Contactors and motor-starters - AC semiconductor controllers and contactors for non-motor loads.</i> Applies to a.c. semiconductor non-motor load controllers and contactors intended for performing electrical operations by changing the state of a.c. electric circuits between the ON-state and the OFF-state.
SANS 60947-6-1:2015/ IEC 60947-6-1:2014 (Ed. 2.1)	<i>Low-voltage switchgear and controlgear Part 6-1: Multiple function equipment - Transfer switching equipment. Consolidated edition incorporating amendment No. 1.</i> Amended to update the scope and referenced standards, to add definitions and symbols, to update the requirements in the clauses on classification, characteristics, product information, construction, performance and tests, and to add a bibliography.
SANS 61936-1:2015/ IEC 61936-1:2008 (Ed. 1.1)	<i>Power installations exceeding 1 kV a.c. Part 1: Common rules. Consolidated edition incorporating amendment No. 1.</i> Amended to modify the scope, update referenced standards, to add the requirements for fundamentals, insulation, equipment, installation, safety measures, and earthing systems, to replace the annex on earthing system design flow chart, and the figures on two shield wires and two lightning rods.
SANS 62196-1:2015/ IEC 62196-1:2014 (Ed. 2)	<i>Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles Part 1: General requirements.</i> Applies to plugs, socket-outlets, vehicle connectors, vehicle inlets and cable assemblies for electric vehicles (referred to as accessories), intended for use in conductive charging systems which incorporate control means, with a rated operating voltage not exceeding 690 V a.c. 50 Hz to 60 Hz, at a rated current not exceeding 250 A, and 1 500 V d.c. at a rated current not exceeding 400 A.
SANS 62230:2015/ IEC 62230:2013 (Ed. 1.1)	<i>Electric cables - Spark-test method. Consolidated edition incorporating amendment No. 1.</i> Amended to modify the annex on minimum voltage levels (annex A), to update the scope, and to modify the requirements for procedure, test voltages and sensitivity.
SANS 300220-1:2015 (Ed. 3)	<i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment to be used in the 25 MHz to 1 000 MHz frequency range with power levels ranging up to 500 mW; Part 1: Technical characteristics and test methods.</i> Applies to the following Short Range Device major equipment types: non-specific Short Range Devices; Alarms, identification systems, radio-determination, telecommand, telemetry, etc.; Radio Frequency Identification (RFID); and Detection, movement and alert applications.
SANS 300330-1:2015 (Ed. 3)	<i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz; Part 1: Technical characteristics and test methods.</i> Applies to the following Short Range Device major equipment types: Generic Short range Devices including transmitters operating in the range from 9 kHz to 25 MHz, inductive loop transmitters operating from 9 kHz to 30 MHz including Radio Frequency Identification (RFID) and EAS equipments, and receivers operating from 9 kHz to 30 MHz.



Standard No. and year	Title, scope and purport
SANS 3000422-1:2015 (Ed. 2)	<i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Wireless microphones in the 25 MHz to 3 GHz frequency range; Part 1: Technical characteristics and methods of measurement.</i> Covers the minimum characteristics considered necessary in order to make the best use of the available frequency spectrum for wireless microphones and aids for the hearing impaired. Specifies the minimum performance requirements and the methods of measurement of assistive listening devices, radio microphones and in-ear monitoring systems.
SANS 300440-1:2015 (Ed. 2)	<i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Short range devices; Radio equipment to be used in the 1 GHz to 40 GHz frequency range Part 1: Technical characteristics and test methods.</i> Applies to short range devices (SRDs) transmitters and receivers, operating in range from 1 GHz to 40 GHz such as generic short range devices, including alarms, telecommand, telemetry, data transmission in general and radio frequency identification (RFID).
SANS 301406:2015 (Ed. 2)	<i>Digital Enhanced Cordless Telecommunications (DECT); Harmonized EN for Digital Enhanced Cordless Telecommunications (DECT) covering the essential requirements under article 3.2 of the R&amp;TTE Directive; Generic radio.</i> Applies to terminal equipment for the digital enhanced cordless telecommunications (DECT) common interface.

### 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

### 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.