

No. 885

22 November 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 1610:2013/ ISO 6011:2003	<i>Earth-moving machinery - Visual display of machine operation.</i> Specifies the machine operation functional information to be presented by the visual displays of earth-moving machinery for a seated operator. Applicable to earth-moving machinery as defined in ISO 6165 (published in South Africa as an identical adoption under the designation SANS 261).
SANS 3164:2013/ ISO 3164:2013	<i>Earth-moving machinery - Laboratory evaluations of protective structures - Specifications for deflection-limiting volume.</i> Specifies the deflection-limiting volume (DLV) to be used when performing laboratory evaluations of structures which provide protection to operators of earth-moving machinery.
SANS 4250-3:2013/ ISO 4250-3:2011	<i>Earth-mover tyres and rims - Part 3: Rims.</i> Sets out the designation, contours and dimensions for rims, for narrow and wide-base off-road tyres primarily intended for earth-moving machinery.
SANS 8643:2013/ ISO 8643:1997	<i>Earth-moving machinery - Hydraulic excavator and backhoe loader boom-lowering control device - Requirements and tests.</i> Establishes uniform requirements and test procedures for boom-lowering control devices fitted on boom-lift cylinders to control the rate of drop in the case of a hydraulic line failure or rupture.
SANS 9244:2013/ ISO 9244:2008	<i>Earth-moving machinery - Machine safety labels - General principles.</i> Establishes general principles and gives requirements for the design and application of machine safety labels to be permanently affixed to earth-moving machinery as defined in ISO 6165 (published in South Africa as an identical adoption under the designation SANS 261).
SANS 9533:2013/ ISO 9533:2010	<i>Earth-moving machinery - Machine-mounted audible travel alarms and forward horns - Test methods and performance criteria.</i> Specifies a static method for determining the sound output performance and alarm activation requirements of audible travel alarms and forward horns mounted on earth-moving machinery. Offers objective test methodologies and performance criteria.
SANS 12100:2013/ ISO 12100:2010	<i>Safety of machinery - General principles for design - Risk assessment and risk reduction.</i> Specifies basic terminology, principles and a methodology for achieving safety in the design of machinery.
SANS 13849-1:2013/ ISO 13849-1:2006	<i>Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design.</i> Provides safety requirements and guidance on the principles for the design and integration of safety-related parts of control systems including the design of software. Specifies characteristics that include the performance level required for carrying out safety functions.
SANS 61400-11:2013/ IEC 61400-11:2012	<i>Wind turbines - Part 11: Acoustic noise measurement techniques.</i> Presents measurement procedures that enable noise emissions of a wind turbine to be characterised. Involves using measurement methods appropriate to noise emission assessment at locations close to the machine, in order to avoid errors due to sound propagation, but far away enough to allow for the finite source size.
SANS 61427-1:2013/ IEC 61427-1:2013	<i>Secondary cells and batteries for renewable energy storage - General requirements and methods of test - Part 1: Photovoltaic off-grid application.</i> Gives general information relating to the requirements for the secondary batteries used in photovoltaic energy systems (PVES) and to the typical methods of test used for the verification of battery performances. Deals with cells and batteries used in photovoltaic off-grid applications. Applies to all types of secondary batteries.

Standard No. and year	Title, scope and purport
SANS 61558-2-14:2013/ IEC 61558-2-14:2012	<i>Safety of transformers, reactors, power supply units and combination thereof - Part 2-14: Particular requirements and tests for variable transformers and power supply units incorporating variable transformers.</i> Deals with the safety of variable transformers for general applications and power supply units incorporating variable transformers for general applications. Applicable to stationary or portable, single-phase or polyphase, air-cooled (natural or forced) independent or associated dry-type transformers.
SANS 61951-2:2013/ IEC 61951-2:2011	<i>Secondary cells and batteries containing alkaline or other non-acid electrolytes - Portable sealed rechargeable single cells - Part 2: Nickel-metal hydride.</i> Specifies marking, designation, dimensions, tests and requirements for portable sealed nickel-metal hydride, small prismatic, cylindrical and button rechargeable single cells, suitable for use in any orientation.
SANS 61968-1:2013/ IEC 61968-1:2012	<i>Application integration at electric utilities - System interfaces for distribution management - Part 1: Interface architecture and general recommendations.</i> Defines interfaces for the major elements of an interface architecture for distribution management. Identifies and establishes recommendations for standard interfaces based on an Interface Reference Model (IRM).
SANS 62282-1:2013/ IEC/TS 62282-1:2010	<i>Fuel cell technologies - Part 1: Terminology.</i> Provides uniform terminology in the forms of diagrams, definitions and equations related to fuel cell technologies in all applications including but not limited to stationary power, transportation, portable power and micro power applications.
SANS 62282-6-100:2013/ IEC 62282-6-100:2010	<i>Fuel cell technologies - Part 6-100: Micro fuel cell power systems - Safety.</i> Covers micro fuel cell power systems, micro fuel cell power units and fuel cartridges that are wearable or easily carried by hand, providing d.c. outputs that do not exceed 60 V d.c. and power outputs that do not exceed 240 VA.
SANS 62341-6-1:2013/ IEC 62341-6-1:2009	<i>Organic light emitting diode (OLED) displays - Part 6-1: Measuring methods of optical and electro-optical parameters.</i> Specifies the standard measurement conditions and measuring methods for determining optical and electro-optical parameters of organic light emitting diode (OLED) display modules, and where specified, OLED display panels in luminance and uniformity, dark room contrast ratio, chromaticity, colour uniformity, colour gamut and white field correlated colour temperature and power consumption.
SATR 62271-306:2013/ IEC/TR 62271-306:2012	<i>High-voltage switchgear and controlgear - Part 306: Guide to IEC 62271-100, IEC 62271-1 and other IEC standards related to alternating current circuit-breakers.</i> Applies to a.c. circuit-breakers designed for indoor or outdoor installation and for operation at frequencies of 50 Hz and 60 Hz on systems with voltages above 1 000 V.
SATS 60034-20-1:2013/ IEC/TS 60034-20-1:2002	<i>Rotating electrical machines - Part 20-1: Control motors - Stepping motors.</i> Gives the requirements for rotating control motors and describes the appropriate tests. Also gives dimensions and marking information and the details to be provided by the manufacturer in associated data sheets and catalogues. Applicable to rotating stepping motors only.

## 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 521:2013 (Ed. 3.5)	<i>Hospital beds and cots. Consolidated edition incorporating amendment No. 5.</i> Amended to update referenced standards.
SANS 754:2013 (SANS 754:2010)	<i>Eucalyptus poles, cross-arms and spacers for power distribution and communications systems.</i> Specifies requirements for eucalyptus poles, grown in Southern Africa, that are treated with creosote, a mixture of creosote and waxy oil, a mixture of copper-chromium-arsenic compounds (CCA), a mixture of copper azole compounds (CuAz), or a mixture of alkaline-copper-quaternary compounds (ACQ), and that are intended to be used as upright supports for communications systems, and as upright supports, cross-arms and spacers (in five-pole structures) for power distribution lines.
SANS 777:2013 (Ed. 3.4)	<i>Overbed tables. Consolidated edition incorporating amendment No. 4.</i> Amended to update applicable standards.
SANS 778:2013 (Ed. 3.4)	<i>Patients' trolleys. Consolidated edition incorporating amendment No. 4.</i> Amended to update applicable standards.
SANS 1157:2013 (Ed. 1.1)	<i>Transport of dangerous goods - Inspection requirements of road vehicles for the issue of municipal dangerous goods transport permits. Consolidated edition incorporating amendment No. 1.</i> Amended to correct the thickness of the black border of the placard.
SANS 1263-1:2013 (Ed. 3.2)	<i>Safety and security glazing materials for buildings - Part 1: Safety performance of glazing materials under human impact. Consolidated edition incorporating amendment No. 2.</i> Amended to specify applicability of tests required for different safety glazing materials and add requirements on testing for safety glazing materials, renumber tables and subclauses accordingly, change cross references, specify requirements on test specimens and orientation of test specimens, add requirements for plastic and organic coatings, and modify the formula on impact strength of test specimen.
SANS 1292:2013 (Ed. 1.2)	<i>Castors for furniture. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.

Standard No. and year	Title, scope and purport
SANS 1385:2013 (Ed.1.4)	<i>Kitchen cupboards: Built-in and free-standing. Consolidated edition incorporating amendment No. 4.</i> Amended to modify requirements for laminated timber, and to update referenced standards.
SANS 1389:2013 (Ed. 1.2)	<i>Tables. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 1528-4:2013 (Ed. 1.2)	<i>Furniture - Part 4: Bunk beds for domestic use. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 1528-6:2013 (Ed. 1.2)	<i>Furniture - Part 6: High chairs for domestic use. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 1528-7:2013 (Ed. 1.2)	<i>Furniture - Part 7: Children's cots for domestic use. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 1652:2013 (Ed. 1.6)	<i>Battery chargers - Industrial type. Consolidated edition incorporating amendment No. 6.</i> Amended to update reference standards.
SANS 2867:2013/ ISO 2867:2011 (SANS 2867:2008)	<i>Earth-moving machinery - Access systems.</i> Specifies criteria for systems that provide access to the operator station and to routine maintenance points on earth-moving machinery. Applies to the access systems (e.g. enclosure openings, platforms, guardrails, handrails and handholds, stairways and steps, and ladders) on such machines parked in accordance with the manufacturer's instructions.
SANS 3450:2013/ ISO 3450:2011 (SANS 3450:2003)	<i>Earth-moving machinery - Wheeled or high-speed rubber-tracked machines - Performance requirements and test procedures for brake systems.</i> Specifies minimum performance requirements and test procedures for the service, secondary and parking brake systems of wheeled and high-speed rubber-tracked earth-moving machines, for the uniform assessment of those brake systems.
SANS 5213:2013 (Ed. 2.3)	<i>Water - Dissolved solids content. Consolidated edition incorporating amendment No. 3.</i> Amended to update the referenced standards.
SANS 5683:2013 (Ed. 2.2)	<i>Determination of shade depth class. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 10087-1:2013 (SANS 10087-1:2008)	<i>The handling, storage, distribution and maintenance of liquefied petroleum gas in domestic, commercial, and industrial installations - Part 1: Liquefied petroleum gas installations involving gas storage containers of individual water capacity not exceeding 500 L and a combined water capacity not exceeding 3 000 L per installation.</i> Specifies requirements for the materials, the methods of construction and the installation of equipment used in liquefied petroleum gas applications for domestic and commercial installations that involve gas containers of individual water capacity not exceeding 500 L and of a combined water capacity not exceeding 3 000 L.
SANS 10267:2013 (Ed. 3.2)	<i>Homologation of motor vehicle models. Consolidated edition incorporating amendment No. 2.</i> Amended to update a referenced standard.
SANS 18000-7:2013/ ISO/IEC 18000-7:2009 (SANS 18000-7:2008)	<i>Information technology - Radio frequency identification for item management - Part 7: Parameters for active air interface communications at 433 MHz.</i> Defines the air interface for radio frequency identification (RFID) devices operating as an active RF tag in the 433 MHz band used in item management applications.
SANS 60335-2-2:2013/ IEC 60335-2-2:2012 (Ed. 4.1)	<i>Household and similar electrical appliances - Safety - Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances. Consolidated edition incorporating IEC amendment No. 1.</i> Amended to change the heading of the definitions clause to read "terms and definitions", to change test requirements of appliances powered by rechargeable batteries, to include a normative annex on software evaluation, and to delete a referenced standard from the bibliography. Can only be used in conjunction with SANS 60335-1.
SANS 60335-2-59:2013/ IEC 60335-2-59:2009 (Ed. 3.2)	<i>Household and similar electrical appliances - Safety - Part 2-59: Particular requirements for insect killers. Consolidated edition incorporating IEC amendment No. 2.</i> Amended to include the transitional period required following publication in the foreword, add clarifications and notes to the referenced standards in the introduction, update the scope to exclude the safety requirements for persons (including children) whose physical, sensory or mental capabilities, or lack of experience and knowledge prevents them from using the appliance safely without supervision or instruction, add requirements to marking and instructions, correct the effective irradiance equation, and add an informative reference to the bibliography. Can only be used in conjunction with SANS 60335-1.
SANS 60432-3:2013/ IEC 60432-3:2012 (SANS 60432-3:2010)	<i>Incandescent lamps - Safety specifications - Part 3: Tungsten-halogen lamps (non-vehicle).</i> Specifies the safety requirements for single-capped and double-capped tungsten halogen lamps, having rated voltages of up to 250 V, used for projection (including cinematograph and still projection), photographic (including studio), floodlighting, special purpose, general purpose, and stage lighting. Does not apply to general purpose single-capped tungsten halogen lamps, covered by IEC 60432-2 (published in South Africa as an identical adoption under the designation SANS 60432-2) that are used as replacement for conventional tungsten filament lamps.
SANS 61643-311:2013/ IEC 61643-311:2013 (SANS 61643-311:2004)	<i>Components for low-voltage surge protective devices - Part 311: Performance requirements and test circuits for gas discharge tubes (GDT).</i> Applicable to gas discharge tubes (GDT) used for overvoltage protection in telecommunications, signalling and low-voltage power distribution networks with nominal system voltages up to 1 000 V (r.m.s.) a.c. and 1 500 V d.c.
SANS 61850-5:2013/ IEC 61850-5:2012 (SANS 61850-5:2012)	<i>Communication networks and systems for power utility automation - Part 5: Communication requirements for functions and device models.</i> Applies to power utility automation systems with the core part of substation automation systems (SAS). Standardizes the communication between intelligent electronic devices (IEDs) and defines the related system requirements to be supported.

Standard No. and year	Title, scope and purport
SANS 61850-10:2013/ IEC 61850-10:2012 (SANS 61850-10:2012)	<i>Communication networks and systems for power utility automation - Part 10: Conformance testing.</i> Specifies standard techniques for testing of conformance of client, server and sampled value devices and engineering tools, as well as specific measurement techniques to be applied when declaring performance parameters.
SANS 62133:2013/ IEC 62133:2012 (SANS 62133:2005)	<i>Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications.</i> Specifies requirements and tests for the safe operation of portable sealed secondary cells and batteries (other than button) containing alkaline or other non-acid electrolytes, under intended use and reasonably foreseeable misuse.
SANS 62271-102:2013/ IEC 62271-102:2013 (Ed. 1.2)	<i>High-voltage switchgear and controlgear - Part 102: Alternating current disconnectors and earthing switches. Consolidated edition incorporating IEC amendment No. 2.</i> Amended to add an annex for specific requirements for resistor fitted disconnectors in metal-enclosed gas insulated switchgear, and to add requirements on safety and an annex for bus-transfer current switching by disconnectors. Can only be used in conjunction with SANS 62271-1.
SANS 62271-109:2013/ IEC 62271-109:2013 (Ed. 2.1)	<i>High-voltage switchgear and controlgear - Part 109: Alternating-current series capacitor by-pass switches. Consolidated edition incorporating IEC amendment No. 1.</i> Amended to change a definition, and to modify the requirements for ratings, type tests, the guide to the selection of by-pass switches for services, the annex on by-pass switches used as the primary by-passing devices and the annex on the explanatory note regarding transient recovery voltage during reinsertion.
SANS 62271-111:2013/ IEC 62271-111:2012 (SANS 62271-111:2007)	<i>High-voltage switchgear and controlgear - Part 111: Automatic circuit reclosers and fault interrupters for alternating current systems up to 38 kV.</i> Applies to all overhead, pad mounted, dry vault, and submersible single- or multi-pole alternating current automatic circuit reclosers and fault interrupters for rated maximum voltages above 1 000 V and up to 38 kV.

### 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 11014-1:1994 (SABS/ISO 11014-1:1994)	<i>Safety data sheet for chemical products - Part 1: Content and order of sections.</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.