

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

**No. 884****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.<br>and year               | Title, scope and purport  |
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| SANS 1164:2013                         | <i>Automotive fuels - Requirements and specifications for fuel ethanol as a blending component with petrol.</i> Specifies requirements and test methods for marketed and delivered fuel ethanol to be used as a blending component for automotive fuel for spark ignition engines, excluding aviation applications, in accordance with the requirements of SANS 1598. Applies only to fuel ethanol which is to be used as a blending component for automotive petrol at a blending rate that does not exceed 10 % (volume fraction).          |
| SANS 1393:2013                         | <i>Construction management systems – Requirements.</i> Specifies requirements for a construction management system (CMS) to be used for construction work.  |
| SANS 1489-4:2013                       | <i>Electrical connectors in group I and group II hazardous areas - Part 4: Medium voltage couplers and adaptors for group I hazardous areas.</i> Specifies requirements for the electrical connectors of medium voltage couplers and adaptors primarily intended for use in group I hazardous areas, and that are connected to power supplies by means of flexible electrical trailing cables or steel armoured (PVC) non-halogen cables for operating voltages not exceeding 12 kV, a.c. for use on fixed voltages.                          |
| SANS 4378-5:2013/<br>ISO 4378-5:2009   | <i>Plain bearings - Terms, definitions, classification and symbols - Part 5: Application of symbols.</i> Specifies practical applications of the general symbols defined in ISO 4378-4 (published in South Africa as an identical adoption under the designation SANS 4378-4), with regard to the calculations, design and testing of plain bearings.   |
| SANS 22311:2013/<br>ISO 22311:2012     | <i>Societal security - Video-surveillance - Export interoperability.</i> Mainly for societal security purposes and specifies a common output file format that can be extracted from the video-surveillance contents collection systems (stand alone machines or large scale systems) by an exchangeable data storage media or through a network to allow end-users to access digital video-surveillance contents and perform their necessary processing.  |
| SANS 24443:2013/<br>ISO 24443:2012     | <i>Determination of sunscreen UVA photoprotection in vitro.</i> Specifies an <i>in vitro</i> procedure to characterize the UVA protection of sunscreen products.  |
| SANS 61231:2013/<br>IEC 61231:2010     | <i>International lamp coding system (ILCOS).</i> Gives the rules for the international lamp coding system and covers all lamp categories, excluding vehicle lamps.  |
| SANS 61508-1:2013/<br>IEC 61508-1:2010 | <i>Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 1: General requirements.</i> Covers those aspects to be considered when electrical/electronic/programmable electronic (E/E/PE) systems are used to carry out safety functions.  |
| SANS 61508-2:2013/<br>IEC 61508-2:2010 | <i>Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 2: Requirements for electrical/electronic/programmable electronic safety-related systems.</i> Specifies requirements for activities that are to be applied during the design and manufacture of the E/E/PE safety-related systems (i.e. establishes the E/E/PES safety lifecycle model), except for software, which is dealt with by IEC 61508-3 (published in South Africa as an identical adoption under the designation SANS 61508-3). |
| SANS 61508-3:2013/<br>IEC 61508-3:2010 | <i>Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 3: Software requirements.</i> Establishes requirements for safety lifecycle phases and activities which shall be applied during the design and development of the safety-related software (the software safety lifecycle model). Includes the application of measures and techniques, which are graded against the required Systematic Capability, for the avoidance of and control of faults and failures in the software.               |

| Standard No.<br>and year                     | Title, scope and purport   |
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| SANS 61508-4:2013/<br>IEC 61508-4:2010       | <i>Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 4: Definitions and abbreviations.</i> Contains the definitions and explanation of terms that are used in parts 1 to 7 of IEC 61508 (published as identical adoptions under the designation of SANS 61508-1 to SANS 61508-7).   |
| SANS 61508-5:2013/<br>IEC 61508-5:2010       | <i>Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 5: Examples of methods for the determination of safety integrity levels.</i> Provides information on the underlying concepts of risk and the relationship of risk to safety integrity.   |
| SANS 61508-6:2013/<br>IEC 61508-6:2010       | <i>Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 6: Guidelines on the application of IEC 61508-2 and IEC 61508-3.</i> Contains information and guidelines on IEC 61508-2 (published in South Africa as an identical adoption under the designation SANS 61508-2) and IEC 61508-3 (published in South Africa as an identical adoption under the designation SANS 61508-3).   |
| SANS 61508-7:2013/<br>IEC 61508-7:2010       | <i>Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 7: Overview of techniques and measures.</i> Contains an overview of various safety techniques and measures relevant to IEC 61508-2 (published in South Africa as an identical adoption under the designation SANS 61508-2) and IEC 61508-3 (published in South Africa as an identical adoption under the designation SANS 61508-3).  |
| SANS 62135-1:2013/<br>IEC 62135-1:2008       | <i>Resistance welding equipment - Part 1: Safety requirements for design, manufacture and installation.</i> Applies to equipment for resistance welding and allied processes and includes single and multiple welding stations which may be manually or automatically loaded and/or started. Covers stationary and portable equipment and specifies safety requirements for design, manufacture and installation.  |
| SANS 62561-1:2013/<br>IEC 62561-1:2012       | <i>Lightning protection system components (LPSC) - Part 1: Requirements for connection components.</i> Specifies the requirements and tests for metallic connection components that form part of a lightning protection system (LPS).  |
| SANS 62561-2:2013/<br>IEC 62561-2:2012       | <i>Lightning protection system components (LPSC) - Part 2: Requirements for conductors and earth electrodes.</i> Specifies the requirements and tests for metallic conductors (other than natural conductors) that form part of the air termination system and down conductors and metallic earth electrodes that form part of the earth termination system.   |
| SANS 62561-3:2013/<br>IEC 62561-3:2012       | <i>Lightning protection system components (LPSC) - Part 3: Requirements for isolating spark gaps (ISG).</i> Specifies the requirements and tests for isolating spark gaps (ISG) for lightning protection systems.  |
| SATS 62271-210:2013<br>IEC/TS 62271-210:2013 | <i>High-voltage switchgear and controlgear - Part 210: Seismic qualification for metal enclosed and solid-insulation enclosed switchgear and controlgear assemblies for rated voltages above 1 kV and up to and including 52 kV.</i> Applies to metal enclosed switchgear and controlgear assemblies complying with IEC 62271-200 (published in South Africa as an identical adoption under the designation SANS 62271-200) for metal enclosed and IEC 62271-201 (published in South Africa as an identical adoption under the designation SANS 62271-201) for solid-insulation enclosed, ground or floor mounted, intended to be used under seismic conditions. |
| SATR 62713:2013/<br>IEC/TR 62713:2013        | <i>Safety procedures for reduction of risk outside a structure.</i> Introduces lightning to the layman, noting the right action in the presence of thunderstorms, as well as protective measures against lightning. Also contributes to the prevention of lightning injuries and damages.  |

## 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.<br>and year                                | Title, scope and purport  |
|---|---|
| SANS 1-2:2013<br>(SANS 1-2:2007)                        | <i>Standard for standards - Part 2: Recognition of Standards Development Organizations (SDOs) in South Africa.</i> Describes the criteria for the recognition of Standards Development Organizations (SDOs), other than the SABS, for the purpose of the preparation of South African National Standards for publication by the SABS.   |
| SANS 490:2013<br>(Ed. 1.1.)                             | <i>Disinfectant alcohol-based handrub. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards and to delete standard conditions for relative humidity.  |
| SANS 1321-2:2013<br>(Ed. 1.3)                           | <i>Non-metallic waste traps - Part 2: Rubber waste traps. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards.   |
| SANS 1896:2013<br>(Ed. 1.1)                             | <i>Candles, illuminating. Consolidated edition incorporating amendment No. 1.</i> Amended to add a definition and to renumber the definitions and correct cross references accordingly, to modify the subclauses on mass, packing and marking, as well as sampling and compliance in order to include requirements for individually packed single candles in cases, and to correct the numbering of a subclause in the subclause on resistance to deformation.  |
| SANS 11201:2013/<br>ISO 11201:2010<br>(SANS 11201:1995) | <i>Acoustics - Noise emitted by machinery and equipment - Determination of emission sound pressure levels at a work station and at other specified positions in an essentially free field over a reflecting plane with negligible environmental corrections.</i> Specifies a method for determining the emission sound pressure levels of machinery or equipment, at a work station and at other specified positions nearby, in an essentially free field over a reflecting plane. One or more specified positions may be located in the vicinity of a work station, or in the vicinity of an attended or unattended machine. |

| Standard No.<br>and year   | Title, scope and purport   |
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| SANS 12043:2013/<br>ISO 12043:2007<br>(SANS 12043:2006)                | <i>Rolling bearings - Single-row cylindrical roller bearings - Chamfer dimensions for loose rib and non-rib sides.</i> Specifies the minimum chamfer dimensions for loose rib and non-rib sides of single-row cylindrical roller bearings.   |
| SANS 18046-3:2013/<br>ISO/IEC 18046-3:2012<br>(SANS 18046-3:2008)      | <i>Information technology - Radio frequency identification device performance test methods - Part 3: Test methods for tag performance.</i> Defines test methods for performance characteristics of RFID tags for item management, and specifies the general requirements and test requirements for tags which are applicable to the selection of the devices for an application.   |
| SANS 60034-28:2013/<br>IEC 60034-28:2012<br>(SANS 60034-28:2007)       | <i>Rotating electrical machines - Part 28: Test methods for determining quantities of equivalent circuit diagrams for three-phase low-voltage cage induction motors.</i> Applies to three-phase low-voltage cage induction motors of frame numbers 56 to 400 as specified in IEC 60072-1 (published in South Africa as an identical adoption under the designation SANS 60072-1). Establishes procedures to obtain values for elements of single-phase equivalent circuit diagrams from tests and defines standard elements of these diagrams.   |
| SANS 60335-2-75:2013/<br>IEC 60335-2-75:2012<br>(SANS 60335-2-75:2009) | <i>Household and similar electrical appliances - Safety - Part 2-75: Particular requirements for commercial dispensing appliances and vending machines.</i> Deals with the safety of electric commercial dispensing appliances and vending machines for preparation or delivery of food, drinks and consumer products, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. Also deals with the hygiene aspects of appliances. Can only be used in conjunction with SANS 60335-1.   |
| SANS 60335-2-87:2013/<br>IEC 60335-2-87:2012<br>(Ed. 2.2)              | <i>Household and similar electrical appliances - Safety - Part 2-87: Particular requirements for electrical animal-stunning equipment. Consolidated edition incorporating IEC amendment No. 2.</i> Amended to update the definitions, to update normative references, and to update requirements for marking and instructions.   |
| SANS 60335-2-103:2013/<br>IEC 60335-2-103:2011<br>(Ed. 2.1)            | <i>Household and similar electrical appliances - Safety - Part 2-103: Particular requirements for drives for gates, doors and windows. Consolidated edition incorporating IEC amendment No. 1.</i> Amended to update the introduction and the scope, to modify the requirements in the clauses on marking and instructions, stability and mechanical hazards, and construction, and the annex on drives for powered pedestrian doors used in emergency routes and exits (annex AA), and to update the bibliography.  |
| SANS 60598-2-2:2013/<br>IEC 60598-2-2:2013<br>(SANS 60598-2-2:1997)    | <i>Luminaires - Part 2-2: Particular requirements - Recessed luminaires.</i> Specifies requirements for recessed luminaires incorporating electric light sources for operation from supply voltages up to 1 000 V. Does not apply to air-handling or liquid-cooled luminaires.   |
| SANS 60598-2-8:2013/<br>IEC 60598-2-8:2013<br>(SANS 60598-2-8:2008)    | <i>Luminaires - Part 2-8: Particular requirements - Handlamps.</i> Specifies requirements for handlamps and similar portable luminaires which are held in the hand, hooked up or resting on a surface for use with electric light sources on supply voltages not exceeding 250 V.  |
| SANS 60968:2013/<br>IEC 60968:2012<br>(SANS 60968:2006)                | <i>Self-ballasted lamps for general lighting services - Safety requirements.</i> Specifies the safety and interchangeability requirements, together with the test methods and conditions, required to show compliance of tubular fluorescent and other gas-discharge lamps with integrated means for controlling starting and stable operation (self-ballasted lamps), intended for domestic and similar general lighting purposes, having: a rated wattage up to 60 W; a rated voltage of 100 V to 250 V and Edison screw or bayonet caps. It further addresses photobiological safety according to IEC 62471 and IEC/TR 62471-2. |
| SANS 61951-1:2013/<br>IEC 61951-1:2006<br>(Ed. 1.1)                    | <i>Secondary cells and batteries containing alkaline or other non-acid electrolytes - Portable sealed rechargeable single cells - Part 1: Nickel-cadmium. Consolidated edition incorporating IEC amendment No. 1.</i> Amended to update the requirements for cylindrical cells.  |
| SANS 62040-1:2013/<br>IEC 62040-1:2013<br>(SANS 62040-1:2008)          | <i>Uninterruptible power systems (UPS) - Part 1: General and safety requirements for UPS.</i> Applies to uninterruptible power systems (UPS) with an electrical energy storage device in the d.c. link.  |
| SANS 62271-207:2013/<br>IEC 62271-207:2012<br>(SANS 62271-207:2007)    | <i>High-voltage switchgear and controlgear - Part 207: Seismic qualification for gas-insulated switchgear assemblies for rated voltages above 52 kV.</i> Applies to gas-insulated switchgear.  |
| SANS 62271-207:2013/<br>IEC 62271-207:2012<br>(SANS 62271-207:2007)    | <i>High-voltage switchgear and controlgear - Part 207: Seismic qualification for gas-insulated switchgear assemblies for rated voltages above 52 kV. IEC corrigendum No. 1.</i> Corrected to change the references to figures 1 and 2 in the table on seismic qualification levels for switchgear assemblies (table 1).  |

### SCHEDULE 3: CANCELLATION OF STANDARDS

In terms of section 16(3) of the Act the following standards have been cancelled.

| Standard No.<br>and year | Title |
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**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.
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