

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

No. 199**13 March 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 1462:2014 (Ed. 1)	<i>Automotive fuel ethanol – Quality management system – Producer requirements.</i> Specifies requirements for a quality assurance programme for the production of automotive fuel ethanol that complies with SANS 1164.
SANS 1466-1:2014 (Ed. 1)	<i>Information technology – Process benchmarking framework – Part 1: Concepts and overview.</i> Provides an overview of the different parts for a process benchmarking framework.
SANS 1544:2014 (Ed. 1)	<i>Energy performance certificates for buildings.</i> Specifies the requirements for producing energy performance certificates for buildings. Deals with energy performance based on measured energy consumption in existing buildings that have been in operation for two years or longer. Covers building occupancy classes given in SANS 10400-XA for which the maximum energy consumption is specified.
SANS 1664:2014 (Ed. 1)	<i>Semi-luminaires for T5 fluorescent lamps – Safety requirements.</i> Specifies requirements for semi-luminaires for use with type T5 tubular fluorescent lamps. These semi-luminaires are used as retro-fit units for luminaires originally equipped with T8 or T12 tubular fluorescent lamps and control gear.
SANS 1692:2014/ EN 60350-1:2013	<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 1704:2014/ EN 61121:2013	<i>Tumble dryers for household use – Methods for measuring the performance.</i> Applies to household electric tumble dryers of the automatic and non-automatic type, with or without a cold water supply and incorporating a heating device. Excludes tumble dryers that use gas or other fuels as a heating source. States and defines the principal performance characteristics of household electric tumble dryers of interest to users, and describes standard methods for measuring these characteristics.
SANS 3001-GR58:2014 (Ed. 1)	<i>Civil engineering test methods – Part GR58: Determination of the cement or lime content of stabilized materials by means of the back-titration (acid base) method.</i> Applies to cementitiously stabilized material (crushed stone, gravel, sand and soil), and describes a method for determining the proportion by mass of cement or lime in a freshly stabilized material by neutralizing the cement or lime with an excess of hydrochloric acid.
SANS 3691-1:2014/ ISO 3691-1:2011	<i>Industrial trucks – Safety requirements and verification – Part 1: Self-propelled industrial trucks, other than driverless trucks, variable-reach trucks and burden-carrier trucks.</i> Gives safety requirements and the means for their verification for types of self-propelled industrial trucks as defined in ISO 5053 in compliance with ISO 3691-1 (published in South Africa as an identical adoption under the designation SANS 3691-1).
SANS 4437-1:2014/ ISO 4437-1:2014	<i>Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 1: General.</i> Specifies the general properties of polyethylene (PE) compounds for the manufacture of pipes and fittings intended to be used for the supply of gaseous fuels.
SANS 4437-2:2014/ ISO 4437-2:2014	<i>Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 2: Pipes.</i> Specifies the characteristics of pipes made from polyethylene (PE) for piping systems in the field of the supply of gaseous fuels.
SANS 4437-3:2014/ ISO 4437-3:2014	<i>Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 3: Fittings.</i> Specifies the characteristics of fusion fittings made from polyethylene (PE) as well as of mechanical fittings for piping systems in the field of the supply of gaseous fuels.
SANS 4437-5:2014/ ISO 4437-5:2014	<i>Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 5: Fitness for purpose of the system.</i> Specifies the requirements of fitness for purpose of the polyethylene (PE) piping system to be used for the supply of gaseous fuels.
SANS 12958:2014/ ISO 12958:2010	<i>Geotextiles and geotextile-related products – Determination of water flow capacity in their plane.</i> Specifies a method for determining the constant-head water flow capacity within the plane of a geotextile or geotextile-related product.
SANS 53763-9:2014/ EN 13763-9:2003	<i>Explosives for civil uses – Detonators and relays – Part 9: Determination of resistance to bending of detonators.</i> Specifies a method for determining the resistance of the detonator shell to bending in compliance with EN 13763-9 (published in South Africa as an identical adoption under the designation SANS 53763-9). Does not apply to surface connectors.

Standard No. and year	Title, scope and purport
SANS 53763-22:2014/ EN 13763-22:2003	<i>Explosives for civil uses – Detonators and relays – Part 22: Determination of capacitance, insulation resistance and insulation breakdown of leading wires.</i> Specifies methods for the determination of the capacitance, insulation resistance and insulation breakdown of leading wires of electric detonators.
SANS 53763-23:2014/ EN 13763-23:2002	<i>Explosives for civil uses – Detonators and relays – Part 23: Determination of shock-wave velocity of shock tube.</i> Specifies a method for determining the shock-wave velocity of shock tubes for use with non-electric detonators.
SANS 53763-25:2014/ EN 13763-25:2004	<i>Explosives for civil uses – Detonators and relays – Part 25: Determination of transfer capability of surface connectors, relays and coupling accessories.</i> Specifies methods for determining the transfer capability of surface connectors, relays and coupling accessories intended for non-electric initiation systems.
SANS 60034-30-1:2014/ IEC 60034-30-1:2014	<i>Rotating electrical machines – Part 30-1: Efficiency classes of line operated AC motors (IE code).</i> Specifies efficiency classes for single-speed electric motors that are rated according to IEC 60034-1 (published in South Africa as an identical adoption under the designation SANS 60034-1) or IEC 60079-0 (published in South Africa as an identical adoption under the designation SANS 60079-0), for operation on a sinusoidal voltage supply.
SANS 62271-211:2014/ IEC 62271-211:2014	<i>High-voltage switchgear and controlgear – Part 211: Direct connection between power transformers and gas-insulated metal-enclosed switchgear for rated voltages above 52 kV.</i> Applies to single and three phase direct connections between gas-insulated metal-enclosed switchgear (GIS) for rated voltages above 52 kV and transformer arrangements to establish electrical and mechanical interchange ability and to determine the limits of supply of for the transformer connection.
SANS 62504:2014/ IEC 62504:2014	<i>General lighting – Light emitting diode (LED) products and related equipment – Terms and definitions.</i> Provides descriptive terms and measurable terms when modified from IEC 60050-845.
SANS 65700-19-03:2014/ IEC/IEEE 65700-19-03:2014	<i>Bushings for DC application.</i> Applies to outdoor and indoor bushings of any voltage used on DC systems, of capacitance graded or gas insulation types for use as components of oil-filled converter transformers and smoothing reactors, as well as air-to-air DC bushings.
ARP 032:2014 (Ed. 1)	<i>Guidelines for the modification of luminaires for tubular fluorescent lamps to retro-fit LED tubular lamps or T5 semi-luminaires.</i> Covers the methods to be applied and the precautions to be taken when existing luminaires for types T8 or T12 tubular fluorescent lamps are modified to accommodate T5 semi-luminaires or LED tubular lamps.

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 530-9:2014 (Ed. 2)	<i>Fire detection and fire alarm systems for buildings – Part 9: Code of practice for the design, installation, commissioning and maintenance of emergency voice communication systems.</i> Provides recommendations for the planning, design, installation, commissioning and maintenance of emergency voice communication systems in and around buildings and at sports, entertainment and similar venues. Does not recommend whether or not an emergency voice communication system should be installed in a given premises.
SANS 762:2014/ CLC/TR 50426:2004 (Ed. 2)	<i>Assessment of inadvertent initiation of bridge wire electro-explosive devices by radio-frequency radiation – Guide.</i> Provides guidance on assessing the possibility of inadvertent extraction of energy from an electromagnetic field propagated from radio frequency (RF), radar or other transmitter antennas and the coupling of this energy to an electro-explosive device (EED) in a manner capable of causing initiation. The frequency range covered is 9 kHz to 60 GHz.
SANS 1165:2014 (Ed. 1.1)	<i>Modified poly(vinyl chloride) (PVC-M) pressure pipes and couplings for compressed air services in underground mining. Consolidated edition incorporating amendment No. 1.</i> Amended to update the normative references and to change the requirements for pipe material.
SANS 1235:2014 (Ed. 1.3)	<i>Borehole cylinders. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards.
SANS 1598:2014 (Ed. 3)	<i>Automotive fuels – Requirements and test methods for petrol.</i> Specifies requirements and test methods for marketed and delivered petrol grades suitable for use in spark-ignition internal-combustion engines excluding aviation piston engines.
SANS 1654:2014 (Ed. 2.1)	<i>DC-powered (battery-operated) machines for use in hazardous locations in mines. Consolidated edition incorporating amendment No. 1.</i> Amended to update normative references, and to clarify the requirements for marking.
SANS 1796:2014 (Ed. 3.2)	<i>Application of durable organic powder coatings for architectural aluminium. Consolidated edition incorporating amendment No. 2.</i> Amended to modify the requirements for organic powder, to include classes of powder in the table on coating thickness requirements, to change the clause on cracking and detachment, the tables on recommended powder-coating approaches for different geographic areas and summary of requirements for testing (frequencies and responsible parties), and to add requirements for marking.
SANS 1827:2014 (Ed. 1.5)	<i>The safety of water treatment chemicals for use in the food industry. Consolidated edition incorporating amendment No. 5.</i> Amended to update a referenced standard.

Standard No. and year	Title, scope and purport
SANS 2220-2-3:2014 (Ed. 1.2)	<i>Electrical security systems – Part 2-3: Access control systems – Card readers. Consolidated edition incorporating amendment No. 2.</i> Specifies the characteristics of card readers using the following technologies: a) wiegand: magnetic sensor, b) infra-red optic sensor, c) magnetic: magnetic sensor for magnetic spot cards or magnetic stripe cards, d) proximity: magnetic or radio frequency field sensor, e) intelligent: direct contact or induced current, and f) inductive: coded foil sensor.
SANS 3001-AG20:2014 (Ed. 1.1)	<i>Civil engineering test methods – Part AG20: Determination of the bulk density, apparent density and water absorption of aggregate particles retained on the 5 mm sieve for road construction materials. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards, and to change the values in the example of the calculation procedure.
SANS 3001-AG21:2014 (Ed. 1.1)	<i>Civil engineering test methods – Part AG21: Determination of the bulk density, apparent density and water absorption of aggregate particles passing the 5 mm sieve for road construction materials. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards, to change the apparatus and procedure, and to modify formulae and calculations.
SANS 3001-AG23:2014 (Ed. 1.1)	<i>Civil engineering test methods – Part AG23: Particle and relative densities of aggregates. Consolidated edition incorporating amendment No. 1.</i> Amended to modify the test report.
SANS 3001-G3:2014 (Ed. 1.1)	<i>Civil engineering test methods – Part GR3: Particle size analysis of material smaller than 2 mm (hydrometer method). Consolidated edition incorporating amendment No. 1.</i> Amended to change values and formulas in the annexes on example of the calculation procedure and determination of effective depth.
SANS 3001-GR54:2014 (Ed. 1.1)	<i>Civil engineering test methods – Part GR54: Determination of the indirect tensile strength of compacted and cured specimens of cementitiously stabilized materials. Consolidated edition incorporating amendment No. 1.</i> Amended to update the introduction.
SANS 60099-4:2014/ IEC 60099-4:2014 (Ed. 3)	<i>Surge arresters – Part 4: Metal-oxide surge arresters without gaps for a.c. systems.</i> Applies to non-linear metal-oxide resistor type surge arresters without spark gaps designed to limit voltage surges on AC power circuits.
SANS 60269-1:2014/ IEC 60269-1:2014 (Ed. 3.2)	<i>Low-voltage fuses – Part 1: General requirements. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards, to add requirements in the clauses on characteristics of fuses and standard conditions for construction, and to add an annex on particular requirements for fuse-bases with screwless-type terminals for external copper conductors.
SANS 60282-1:2014/ IEC 60282-1:2014 (Ed. 4.1)	<i>High-voltage fuses – Part 1: Current-limiting fuses. Consolidated edition incorporating amendment No. 1.</i> Amended to add the requirements for special tests, design, construction and performance, to delete the requirements for application guide and an annex on determination of derating when the ambient temperature of the fuse exceeds 40 °C, to update referenced standards, and to add a definition.
SANS 60335-2-32:2014/ IEC 60335-2-32:2013 (Ed. 3.2)	<i>Household and similar electrical appliances – Safety – Part 2-32: Particular requirements for massage appliances. Consolidated edition incorporating amendment No. 2.</i> Amended to add terms to the definitions, to improve protection against access to live parts and components, and to delete standards referenced in the bibliography.
SANS 60335-2-84:2014/ IEC 60335-2-84:2013 (Ed. 2.2)	<i>Household and similar electrical appliances – Part 2-84: Particular requirements for toilet appliances. Consolidated edition incorporating amendment No. 2.</i> Amended to modify the title, the introduction, the scope, terms and definitions, general conditions for the tests, void, abnormal operation, mechanical strength, components, resistance to rusting and the bibliography, and to update the requirements for classification, marking and instructions, heating, and construction.
SANS 60890:2014/ IEC/TR 60890:2014 (Ed. 2)	<i>A method of temperature-rise verification of low-voltage switchgear and controlgear assemblies by calculation.</i> Specifies a method of temperature rise verification of low-voltage switchgear and controlgear assemblies by calculation.
SANS 60950-1:2014/ IEC 60950-1:2013 (Ed. 2.2)	<i>Information technology equipment – Safety – Part 1: General requirements. Consolidated edition incorporating amendment No. 2.</i> Amended to modify the introduction, scope and definitions, to add requirements to the clauses covering components, markings and instructions, connection to cable distribution systems, protection from hazards, wiring, connections and supply, and physical requirements, to modify the table on test voltages for electric strength tests based on required withstand voltages, the clause on connection to telecommunication networks and the requirements in the annexes covering motor tests under abnormal conditions, measuring instruments for touch current tests, measurement of clearances and creepage distances, alternative method for determining minimum clearances, table of electrochemical potentials, criteria for telephone ringing signals, voltage dependent resistors (VDRs), insulated winding wires for use without interleaved insulation, ultraviolet light conditioning test, and changes in the second edition, to modify and add requirements for evaluation of integrated circuit (IC) current limiters, and to update the index.
SANS 61534-1:2014/ IEC 61534-1:2014 (Ed. 2.1)	<i>Powertrack systems – Part 1: General requirements. Consolidated edition incorporating amendment No. 1.</i> Amended to add definitions, to add requirements for effectiveness of protective circuit continuity, and screws, current carrying parts and connections, and to delete the annex on additional test requirements for PT systems.
SANS 62485-3:2014/ IEC 62485-3:2014 (Ed. 2)	<i>Safety requirements for secondary batteries and battery installations – Part 3: Traction batteries.</i> Applies to secondary batteries and battery installations used for electric vehicles. Covers electric industrial trucks (including lift trucks, tow trucks, cleaning machines, automatic guided vehicles), battery powered locomotives and electric vehicles (e.g. goods vehicles, golf carts, bicycles, wheelchairs). Does not cover the design of such vehicles.

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.