No. 782 18 October 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 689:2013	Automatic rail-weighbridges. Specifies requirements and test methods for automatic rail-weighbridges (ARWs) used to determine the mass of railway wagons when they are in motion, as well as requirements for integral control instruments for the partial static weighing of reference wagons. Also provides standardized requirements and testing procedures to evaluate the metrological and technical characteristics of an ARW in a uniform and traceable way.
SANS 3457:2013/ ISO 3457:2003	Earth-moving machinery - Guards - Definitions and ISO requirements. Defines principal terms and specifies requirements for, and characteristics of, guards and other means of protecting personnel from mechanical, fluid or thermal hazards associated with the operation and routine maintenance of earthmoving machinery as defined in ISO 6165 (published in South Africa as an identical adoption under the designation SANS 261), when used as intended by the manufacturer.
SANS 4378-4:2013/ ISO 4378-4:2009	Plain bearings - Terms, definitions, classification and symbols - Part 4: Basic symbols. Defines basic symbols for use in the field of plain bearings. Additional signs are also defined for use as superscripts and subscripts. This classification is established for use in calculations and technological and geometrical determinations, as well as in the quality assurance of plain bearings.
SANS 11770-5:2013/ ISO/IEC 11770-5:2011	Information technology - Security techniques - Key management - Part 5: Group key management. Specifies key establishment mechanisms for multiple entities to provide procedures for handling cryptographic keying material used in symmetric or asymmetric cryptographic algorithms in accordance with the security policy in force.
SANS 12651-1:2013/ ISO 12651-1	Electronic document management - Vocabulary - Part 1: Electronic document imaging. Facilitate communication in the field of electronic document management and translation of the terms it contains into other languages.
SANS 13766:2013/ ISO 13766:2006	Earth-moving machinery - Electromagnetic compatibility. Provides test methods and acceptance criteria for the evaluation of the electromagnetic compatibility of earth-moving machinery as defined in ISO 6165 (published in South Africa as an identical adoption under the designation SANS 261).
SANS 20492-3:2013/ ISO 20492-3:2010	Glass in buildings - Insulating glass units - Part 3: Gas concentration and gas leakage. Specifies two methods of test for insulating glass units, including a determination of the gas leakage rate and a determination of gas concentration tolerances. The two methods designated as approach 1, which is intended for use in markets such as North America, and approach 2, which is intended for use in markets such as Europe.
SANS 20492-4:2013/ ISO 20492-4:2010	Glass in buildings - Insulating glass units - Part 4: Method of test for the physical attribute of edge seals. Specifies methods for testing the edge seal strength, and partially testing the moisture and gas permeation through sealants, of glass insulating units.
SANS 24745:2013/ ISO/IEC 24745:2011	Information technology - Security techniques - Biometric information protection. Provides guidance for the protection of biometric information under various requirements for confidentiality, integrity and renewability/revocability during storage and transfer. Also provides requirements and guidelines for the secure and privacy-compliant management and processing of biometric information.
SANS 27007:2013/ ISO/IEC 27007:2011	Information technology - Security techniques - Guidelines for information security management systems auditing. Provides guidance on managing an information security management system (ISMS) audit programme, on conducting the audits, and on the competence of ISMS auditors.

# 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 193:2013 (Ed. 2.2)	Fire dampers. Consolidated edition incorporating amendment No. 2. Amended to update referenced standards.
SANS 261:2013/ ISO 6165:2012 (SANS 261:2008)	Earth-moving machinery - Basic types - Identification and terms and definitions. Gives terms and definitions and an identification structure for classifying earth-moving machinery designed to perform excavation, loading, transportation, and drilling, spreading, compacting or trenching of earth, rock, and other materials, during work, for example, on roads and dams, in quarries and mines, and on building sites. Purpose is to provide a clear means of identifying machines according to their function and design configurations.
SANS 457-3:2013 (SABS 457-3:2000)	Wooden poles, droppers, guardrail posts and spacer blocks - Part 3: Hardwood species. This part of SANS 457 specifies requirements for preservative-treated hardwood structural poles, agricultural poles, fencing poles, round droppers, guardrail posts and spacer blocks. The poles are intended for the erection of fences and vine trellises, for general use in orchards and for structural purposes. The droppers are intended for fencing. The posts and spacer blocks are intended for the erection of steel guardrails at the sides of roads.
SANS 475:2013 (Ed. 1.2)	Luminaires for interior lighting, streetlighting and floodlighting - Performance requirements. Consolidated edition incorporating amendment No. 2. Amended to update referenced standards and to correct the power factor for lamps smaller than or equal to 25 Watts.
SANS 517:2013 (Ed. 1.2)	Light steel frame building. Consolidated edition incorporating amendment No. 2. Amended to update referenced standards, to correct the map on geographic regions related to wind speeds, to update requirements in the tables on external pressure coefficient cpe for mono-pitched roofs and duo-pitched roofs, to update requirements for wall elements, and to correct the map on climate zones in South Africa.
SANS 673:2013 (Ed. 3.3)	Mixtures of copper-chromium-arsenic compounds for timber preservation. Consolidated edition incorporating amendment No. 3. Amended to include the X-ray fluorescence (XRF) and the inductively coupled plasma emission (ICP) spectrometric methods of analyses and to renumber accordingly, to amend the requirements with respect to the gooch crucible that is used in the wet tritation methods of arsenic content elemental concentration.
SANS 1017:2013 (Ed. 1.5)	Electric cables for motor vehicles - Low-voltage cables and flexible earthing straps for motor vehicles. Consolidated edition incorporating amendment No. 5. Amended to update referenced standards.
SANS 1083:2013 (Ed. 2.3)	Aggregates from natural sources - Aggregates for concrete. Consolidated edition incorporating amendment No. 3.  Amended to modify the introduction, update referenced standards, to modify the definitions of "aggregate", "coarse aggregate" and "fine aggregate", change the sieve grading sizes and modify the requirements for coarse aggregate for use in concrete.
SANS 1186-3:2013 (Ed. 1.3)	Symbolic safety signs - Part 3: Internally illuminated signs. Consolidated edition incorporating amendment No. 3. Amended to replace reference to SANS 7253 with SANS 9227.
SANS 1236:2013 (Ed. 1.2)	Silvered glass mirrors for general use. Consolidated edition incorporating amendment No. 2. Amended to update referenced standards.
SANS 1263-3:2013/ (Ed. 1.3)	Safety and security glazing materials for buildings - Part 3: Bullet-resistant glazing materials. Consolidated edition incorporating amendment No. 3. Amended to correct cross-references to referenced standards, to modify the requirements for classification of glazing material, calibre of firearm, ammunition and range in the table on levels of simulated ballistic attack, and to replace the apparatus "velocity measurement system" (and its explanatory footnote) with "ballistic chronograph".
SANS 1422: 2013 (Ed. 2.1)	Domestic electric laundry treatment machines. Consolidated edition incorporating amendment No. 1. Amended to move reference to legislation to the foreword.
SANS 1547:2013 (Ed. 1.6)	Traffic signal controllers. Consolidated edition incorporating amendment No. 6. Amended to change electrical requirements for controlgear, and to update referenced standards.
SANS 1679:2013 (Ed. 2.1)	Pasteurized milk. Consolidated edition incorporating amendment No. 1. Amended to update legislation and the referenced standards.
SANS 1814:2013 (Ed. 1.3)	D.C. supplied luminaires for fluorescent lamps. Consolidated edition incorporating amendment No. 3. Amended to update referenced standards. Can only be used in conjunction with SANS 60925, SANS 60598-1 and SANS 61347-2-3.
SANS 1816:2013 (SANS 1816:2005)	Electricity supply - Quality of supply: Power quality monitoring instruments specification. Specifies product requirements for instruments, the functions of which include measuring and monitoring of power quality parameters in a.c. power systems. Can be used in, for example, the generation, transmission and distribution of electricity and related telecommunication systems, e.g. inside a power station or a substation, or a distributed generator connection, or at the interface point between the installation and the network, e.g. in order to check the compliance to the connection agreement with a network operator. Can only be used in conjunction with SANS 61000-4-30.
SANS 1865:2013 (Ed. 1.2)	Point-of-use drinking water treatment units. Consolidated edition incorporating amendment No. 2. Amended to update a referenced standard.
SANS 6152:2013 (Ed. 2.1)	Available alkali content of cement extenders (complying with SANS 50197-1). Consolidated edition incorporating amendment No. 1. Amended to update referenced standards.

Standard No. and year	Title, scope and purport
SANS 6210:2013 (Ed. 3.1)	Domestic solar water heaters - Mechanical qualification tests. Consolidated edition incorporating amendment No. 1. Amended to update referenced standards.
SANS 9297:2013 (Ed. 1.2)	Water quality - Determination of chloride - Silver nitrate titration with chromate indicator (Mohr's method). Consolidated edition incorporating amendment No. 2. Amended to update referenced standards.
SANS 10083:2013 (Ed. 5.2)	The measurement and assessment of occupational noise for hearing conservation purposes. Consolidated edition incorporating amendment No. 2. Amended to change requirements for baseline audiometry, and to change the title and text of the table on frequency of contributions to the PLH (table 1).
SANS 10204:2013 (Ed. 2.2)	The application of fumigants. Consolidated edition incorporating amendment No. 2. Amended to move a reference to legislation to the foreword.
SANS 10292:2013 (SABS 0292:2001)	Earthing of low-voltage (LV) distribution systems. Gives requirements and recommendations for the provision of a safe electricity supply to the consumer. Establishes general principles for the earthing of low-voltage distribution systems of which the supply starts at the point of generation or transformation and ends at the supply earth terminal of the consumer. Applies to a distributor that operates at a voltage (a.c. or d.c.) that does not exceed 1 000 V.
SANS 10590:2013/ ISO 10590:2005 (SABS ISO 10590:1991)	Building construction - Sealants - Determination of tensile properties of sealants at maintained extension after immersion in water. Specifies a method for the determination of the influence of water immersion on the adhesion/cohesion properties at maintained extension of sealants used in joints in building construction.
SANS 15801:2013/ ISO/TR 15801:2009 (SANS 15801:2005)	Document management - Information stored electronically - Recommendations for trustworthiness and reliability. Describes the implementation and operation of document management systems that can be considered to store electronic information in a trustworthy and reliable manner.
SANS 18000-3:2013/ ISO/IEC 18000-3:2010 (SANS 18000-3:2009)	Information technology - Radio frequency identification for item management - Part 3: Parameters for air interface communications at 13,56 MHz. Provides physical layer, collision management system and protocol values for RFID systems for item identification operating at 13,56 MHz in accordance with the requirements of ISO/IEC 18000-1 (published in South Africa as an identical adoption under the designation SANS 18000-1).
SANS 18000-6:2013/ ISO/IEC 18000-6:2013 (SANS 18000-6:2012)	Information technology - Radio frequency identification for item management - Part 6: Parameters for air interface communications at 860 MHz to 960 MHz General. Defines the air interface for radio frequency identification (RFID) devices operating in the 860 MHz to 960 MHz industrial, scientific, and medical (ISM) band used in item management applications.
SANS 19110:2005/ ISO 19110:2005	Geographic information - Methodology for feature cataloguing. ISO amendment No. 1. Amended to change the scope and the clause on conformance, to update referenced standards and terms and definitions, to change the clauses on abbreviations and principal requirements and the annexes on abstract test suite, feature catalogue template, feature cataloguing examples, and feature cataloguing concepts, and to insert three new annexes on encoding description, management of feature catalogue registers, and XML implementation example.
SANS 19131:2012/ ISO 19131:2007	Geographic information - Data product specifications. ISO amendment No. 1. Amended to include requirements relating to the inclusion of an application schema and feature catalogue and the treatment of coverages in an application schema.
SANS 20011:1981/ ECE R11:1981	Uniform provisions concerning the approval of vehicles with regard to door latches and door retention components. ECE amendment No. 2. Amended to change the scope, to add definitions, to change the clauses on approval, specifications, tests and modification of the vehicle type, to insert a new clause on transitional provision, to change the annexes on arrangements of approval marks, latch test for load tests one, two, and three and force application, to add a new clause on inertial test procedures, hinge test procedure and sliding side door. ECE amendment No. 3. Amended to change requirements for tests on load test three, door hinges, door system, and door locks, to change requirements for test in the annexes on test procedure for door latches and door retention components, inertial test procedures, hinge test procedure, and sliding side door. ECE amendment No. 4. Amended to change requirements for tests on load test three, door hinges, and door system, to change requirements for tests in the annexes on test procedure for door latches and door retention components, inertial test procedures, hinge test procedure, and sliding side door.
SANS 20014:2006/ ECE R14:2006	Uniform provisions concerning the approval of vehicles with regard to safety-belt anchorages, isofix anchorages systems and isofix top tether anchorages. ECE amendment No. 3. Amended to change the scope. ECE amendment No. 4. Amended to delete a definition, to change requirements for approval, and specifications, to add requirements in the clause on transitional provisions, and to change requirements in the annex on arrangements of the approval mark. ECE amendment No. 5. Amended to change a clause on the minimum number of belt anchorages to be provided, and to change the requirements of vehicle in categories M, N, and MI in the subclause on minimum number of belt anchorages to be provided. ECE amendment No. 6. Amended to change the design of the ISOFIX anchorages in the subclause on general specifications. ECE corrigendum No. 2. Corrected to change a definition, and to change the requirements of ISOFIX anchorages in the subclause on general specifications.
SANS 20017:2004/ ECE R17:2002	Uniform provisions concerning the approval of vehicles with regard to the seats, their anchorages and any head restraints. ECE amendment No. 1. Amended to change the scope, to change the clause on requirement and tests, to add a new clause in the annex on communication, to correct the word "decelerometers" to read "accelerometers" in the annex on results, to change the requirements for test in the annexes on test of resistance to inertia effects, and dynamic testing of seat-backs and partitioning systems used as luggage restraint systems, and to change the heading of the graph in the annex on corridor of sled's deceleration or acceleration as a function of time. ECE amendment No. 2. Amended to change the scope, to add new definitions, to change a subclause in the clause on approval, to add new clauses on requirements, to change subclauses in the clause on requirements, to add new clauses on transitional provisions, and to change the annex on arrangement of approval marks. ECE amendment No. 3. Amended to change a definition, and to change and to delete subclauses in the clause on requirements.

Standard No. and year	Title, scope and purport
SANS 60311:2013/ IEC 60311:2009 (Ed. 3.2)	Electric irons for household or similar use - Methods for measuring performance. Consolidated edition incorporating amendment No. 2. Amended to update the definition of the auto switch-off device, to update the measurement of heating-up time for steaming operation, the measurement of steaming time, steaming rate and water leakage rate, the determination of total steaming time for hard water, and figure 4 (test apparatus).
SANS 60335-2-27:2013/ IEC 60335-2-27:2012 (Ed. 4.1)	Household and similar electrical appliances - Safety - Part 2-27: Particular requirements for appliances for skin exposure to ultraviolet and infrared radiation. Consolidated edition incorporating amendment No. 1. Amended to change the heading of the definitions clause to read "Terms and definitions", to give clarification of radiation measurement procedure and guidelines for an exposure time schedule, 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 60432-1:2013/ IEC 60432-1:2012 (Ed. 1.2)	Incandescent lamps - Safety specifications - Part 1: Tungsten filament lamps for domestic and similar general lighting purposes. Consolidated edition incorporating amendment No. 2. Amended to include requirements for K.6 protection from water contact and K.7 photobiological safety.
SANS 60901:2008/ IEC 60901:2008	Single-capped fluorescent lamps - Performance specifications. IEC amendment No. 5. Amended to replace data sheets, and to update the annexes on method of test for electrical, photometric and cathode characteristics, method of test for lumen maintenance and life, and information for ballast and starter design.
SANS 61347-1:2013/ IEC 61347-1:2012 (Ed. 2.2)	Lamp controlgear - Part 1: General and safety requirements. Consolidated edition incorporating amendment No. 2. Amended to add an introduction (to amendment 2), to update the scope, normative references, terms and definitions, general requirements, notes on tests, marking, earthing, protection against accidental contact with live parts, moisture resistance and insulation, electric strength, thermal endurance test for windings of ballasts, fault conditions, construction, creepage distances and clearances, no-load output voltage, to update an annex for test to establish whether a conductive part is a live part which may cause an electric shock and an annex for thermally protected lamp controlgear, to include an annex for particular additional requirements for controlgears providing SELV, an annex for dielectric strength test voltages for controlgear intended for the use in impulse withstand category III, an annex for requirements for insulation materials used for double or reinforced insulation, an annex for additional requirements for built-in electronic controlgear with double or reinforced insulation, and to update the bibliography.
SANS 61347-2-9:2013/ IEC 61347-2-9:2012 (SANS 61347-2-9:2010)	Lamp controlgear - Part 2-9: Particular requirements for electromagnetic controlgear for discharge lamps (excluding fluorescent lamps). Specifies particular safety requirements for electromagnetic controlgear for discharge lamps such as high-pressure mercury vapour, low-pressure sodium vapour, high-pressure sodium vapour and metal halide lamps.
SANS 62035:2013/ IEC 62035:2012 (Ed. 1.2)	Discharge lamps (excluding fluorescent lamps) - Safety specifications. Consolidated edition incorporating amendment No. 2. Amended to add a new paragraph and a NOTE on UV radiation, change a requirement for test procedures and conditions of compliance for containment, and include annex I (containment testing procedure for metal halide lamps with quartz are tubes) and annex J (containment testing procedure for metal halide lamps with ceramic are tubes).

# **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 1561-1:2006	Rewound and refurbished rotating electrical machines - Part 1: Low-voltage three-phase induction motors.

### 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.