

DEPARTMENT OF TRADE AND INDUSTRY

No. 1044

12 November 2010

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 Standards South Africa (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 1007:2010	<i>Reciprocating internal-combustion engine-driven alternating-current low power generating sets.</i> Defines requirements, minimum performance and type tests for low power generating sets driven by reciprocating internal-combustion engines for domestic, recreational and industrial applications.
SANS 1073:2010/ ISO 923:2000	<i>Coal cleaning equipment – Performance evaluation.</i> Describes the principles and methods for evaluating the performance of equipment used for cleaning operations.
SANS 3001-GR31:2010	<i>Civil engineering test methods – Part GR31: Determination of the maximum dry density and optimum moisture content of laboratory mixed cementitiously stabilized materials.</i> Applies to cementitiously stabilized materials (crushed stone, gravel, sand and soil) and describes methods to determine the relationship between moisture content and dry density of a cementitiously stabilized material compacted in a 152 mm diameter mould using a total effort of 2 427 kNm per cubic metre, and to determine the maximum dry density and optimum moisture content from the relationship obtained.
SABS 3001-GR50:2010	<i>Civil engineering test methods – Part GR50: Preparation, compaction and curing of specimens of laboratory mixed cementitiously stabilized materials.</i> Applies to cementitiously stabilized material (crushed stone, gravel, sand and soil) and describes a method to prepare, compact and cure cylindrical specimens in the laboratory suitable for strength and durability tests.
SANS 3001-GR51:2010	<i>Civil engineering test methods – Part GR51: Sampling, preparation, compaction and curing of field mixed freshly cementitiously stabilized materials including the determination of the maximum dry density and optimum moisture content.</i> Applies to cementitiously stabilized material (crushed stone, gravel, sand and soil) and describes a method for sampling freshly stabilized materials in the field, sample preparation, determining the maximum dry density and the optimum moisture content of this material and the preparation of specimens for strength testing.
SANS 3001-GR52:2010	<i>Civil engineering test methods – Part GR52: Sampling and preparation of cored specimens of field compacted, matured, cementitiously stabilized material.</i> Applies to cementitiously stabilized material (crushed stone, gravel, sand and soil) and describes a method for sampling and preparing core specimens taken from matured stabilized pavement layers for strength testing.
SANS 3001-GR53:2010	<i>Civil engineering test methods – Part GR53: Determination of the unconfined compressive strength of compacted and cured specimens of cementitiously stabilized materials.</i> Applies to cementitiously stabilized material (crushed stone, gravel, sand and soil) and describes a method to determine the unconfined compressive strength of test specimens that have been prepared, compacted and cured in accordance with SANS 3001-GR50, SANS 3001-GR51, or SANS 3001-GR52.
SANS 3001-GR54:2010	<i>Civil engineering test methods – Part GR54: Determination of the indirect tensile strength of compacted and cured specimens of cementitiously stabilized materials.</i> Applies to cementitiously stabilized material (crushed stone, gravel, sand and soil) and describes a method to determine the indirect tensile strength of test specimens that have been prepared, compacted and cured in accordance with SANS 3001-GR50, SANS 3001-GR51 or SANS 3001-GR52.
SANS 7146-1:2010/ ISO 7146-1:2008	<i>Plain bearings – Appearance and characterization of damage to metallic hydrodynamic bearings – Part 1: General.</i> Defines, describes and classifies the characteristics of damage occurring in service to hydrodynamically lubricated metallic plain bearings and journals. It assists in the understanding of the various characteristic forms of damage which may occur.
SANS 7686:2010/ ISO 7686:2005	<i>Plastics pipes and fittings – Determination of opacity.</i> Specifies a method for the determination of the opacity of plastics pipes and fittings.
SANS 7936:2010/ ISO 7936:1992	<i>Hard coal – Determination and presentation of float and sink characteristics – General directions for apparatus and procedures.</i> Describes general directions for the apparatus and procedures, using relative density separation methods, for determining the float and sink characteristics of raw coal and of products from coal preparation plants.
SATS 8000-100:2010/ ISO/TS 8000-100:2009	<i>Data quality – Part 100: Master data: Overview.</i> Specifies the scope of the master data quality series, introduces master data, describes the data architecture for master data, and gives an overview of the remaining parts of the series.

Standard No. and year	Title, scope and purport
SATS 8000-120:2010/ ISO/TS 8000-120:2009	<i>Data quality – Part 120: Master data: Exchange of characteristic data: Provenance.</i> Specifies requirements for the representation and exchange of information about the provenance of master data that consist of characteristic data. Supplements the requirements of ISO 8000-110. Provenance is the history or pedigree of a property value. Includes a unified modelling language (UML) conceptual model for provenance data.
SATS 8000-130:2010/ ISO/TS 8000-130:2009	<i>Data quality – Part 130: Master data: Exchange of characteristic data: Accuracy.</i> Specifies requirements for the representation and exchange of information about accuracy of master data that consist of characteristic data.
SATS 8000-140:2010/ ISO/TS 8000-140:2009	<i>Data quality – Part 140: Master data: Exchange of characteristic data: Completeness.</i> Specifies requirements for the representation and exchange of information about completeness of master data that consist of characteristic data.
SANS 8230-1:2010/ ISO 8230-1:2008	<i>Safety requirements for dry-cleaning machines – Part 1: Common safety requirements.</i> Specifies common safety requirements for dry-cleaning machines. It is applicable to dry-cleaning machines of all sizes intended for industrial and commercial use for the cleaning of articles made of textile, leather, fur and skins, using exclusively either perchloroethylene or combustible solvent as the cleaning medium.
SANS 8230-2:2010/ ISO 8230-2:2008	<i>Safety requirements for dry-cleaning machines – Part 2: Machines using perchloroethylene.</i> Specifies safety requirements for dry-cleaning machines that exclusively use perchloroethylene as the cleaning medium.
SANS 8230-3:2010/ ISO 8230-3:2008	<i>Safety requirements for dry-cleaning machines – Part 3: Machines using combustible solvents.</i> Specifies safety requirements for dry-cleaning machines that use combustible solvent as the cleaning medium.
SANS 9229:2010/ ISO 9229:2007	<i>Thermal insulation – Vocabulary.</i> Specifies a vocabulary of terms used in the field of thermal insulation covering materials, products, components and applications.
SANS 10639:2010/ ISO 10693:2004	<i>Plastics piping systems for pressure and non-pressure water supply – Glass-reinforced thermosetting plastics (GRP) systems based on unsaturated polyester (UP) resin.</i> Specifies the properties of piping system components made from glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP) for water supply with or without pressure, as well as the properties of the system itself.
SANS 12176-3:2010/ ISO 12176-3:2006	<i>Plastics pipes and fittings – Equipment for fusion jointing polyethylene systems – Part 3: Operator's badge.</i> Describes the format and the contents of a fusion operator's badge, which is used during the construction of polyethylene (PE) piping systems for the supply of gaseous fuels or water to identify the fusion operator and to activate or deactivate the fusion-jointing equipment.
SANS 12176-4:2010/ ISO 12176-4:2003	<i>Plastics pipes and fittings – Equipment for fusion jointing polyethylene systems – Part 4: Traceability coding.</i> Specifies an encoding system for data on components, assembly methods and jointing operations for polyethylene (PE) piping systems for gas supply, for use in a traceability system.
SATS 22957:2010/ ISO/TR 22957:2009	<i>Document management – Analysis, selection and implementation of electronic document management systems (EDMS).</i> Presents a recommended set of procedures and activities that are advisable when performing analysis, selection and implementation of project phases associated with electronic document management systems technologies. Provides user-level information outlining specific recommended activities to be completed throughout the various project phases typically performed when implementing these technologies. Outlines the steps and activities, together with compliance with relevant industry standards and guidelines that need to be examined and certified to ensure relevant technologies have been analysed, designed, implemented and managed, ensuring document/record validity when used in a business or government environment.
SANS 24713-3:2010/ ISO/IEC 24713-3:2009	<i>Information technology – Biometric profiles for interoperability and data interchange – Part 3: Biometrics-based verification and identification of seafarers.</i> Defines a set of base standards and criteria for applying those standards where identity documents are issued and biometrics are used to link each document to the seafarer. Provides information on the processes surrounding the enrolment and verification or identification of seafarers by using biometric components. Addresses other system components such as the storage medium for the biometric data and the security of the system.
SANS 24759:2010/ ISO/IEC 24759:2008	<i>Information technology – Security techniques – Test requirements for cryptographic modules.</i> Specifies the methods to be used by testing laboratories to test whether a cryptographic module conforms to the requirements specified in ISO/IEC 19790:2006 (published in South Africa as an identical adoption under the designation SANS 19790). The methods are developed to provide a high degree of objectivity during the testing process and to ensure consistency across the testing laboratories.
SANS 24761:2010/ ISO/IEC 24761:2009	<i>Information technology – Security techniques – Authentication context for biometrics.</i> Specifies the structure and the data elements of Authentication Context for Biometrics (ACBio), which is used for checking the validity of the result of a biometric verification process executed at a remote site, and the cryptographic syntax of an ACBio instance. Allows any ACBio instance to accompany any data item that is involved in any biometric process related to verification and enrolment. The specification of ACBio is applicable not only to single modal biometric verification but also to multimodal fusion.
SANS 26866:2010/ ISO 26866:2009	<i>Road vehicles – Brake lining friction materials – Standard wear test procedure for commercial vehicles with air brakes.</i> Applies to commercial vehicles with air brakes in the categories M2, M3, N2, N3, O3 and O4. Applies during product development, product prototypes, product specification or validation, and ongoing series production.
SANS 29109-1:2010/ ISO/IEC 29109-1:2009	<i>Information technology – Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 – Part 1: Generalized conformance testing methodology.</i> Defines the concepts of conformance testing for biometric data interchange formats and a general conformance testing framework. Specifies common (modality-neutral) elements of the testing methodology, such as test methods and procedures, implementation conformance claim and test results reporting. Provides the assertion language definition and other testing and reporting requirements, and outlines other conformance testing methodology that are generally applicable and not modality-specific. Describes different types and levels of conformance testing and their applicability.
SANS 29141:2010/ IEC 29141:2009	<i>Information technology – Biometrics – Tenprint capture using biometric application programming interface (BioAPI).</i> Specifies requirements for the use of ISO/IEC 19784-1 (published in South Africa as an identical adoption under the designation SANS 19784-1) to perform a tenprint capture operation. Describes a biometric data block to interact with a BioAPI framework to support a tenprint capture to conform the capture control block and a capture output block with biometric service providers (BSPs) that support this standard.

Standard No. and year	Title, scope and purport
SANS 29794-1:2010/ ISO/IEC 29794-1:2009	<i>Information technology – Biometric sample quality – Part 1: Framework.</i> Specifies the derivation, expression and interpretation of biometric sample quality scores and data, and interchange of these scores and data via the multipart ISO/IEC 19794, Information technology – Biometric data interchange formats (published in South Africa as identical adoptions under the designations SANS 19794-1 and SANS 19794-2).
SANS 29861:2010/ ISO 29861:2009	<i>Document management applications – Quality control for scanning office documents in colour.</i> Specifies test methods for evaluating the consistency of the colour output quality over time from the colour reflection scanning of office documents. Applies to assessing the output quality of colour scanners used in the office. Does not apply to black-and-white only scanners or scanners used for the scanning of transparent or translucent documents.
SANS 50081-21:2010/ EN 81-21:2009	<i>Safety rules for the construction and installation of lifts – Lifts for the transport of persons and goods – Part 21: New passenger and goods passenger lifts in existing building.</i> Specifies the safety rules related to new passenger and goods/passenger lifts permanently installed in existing buildings. Addresses a number of constraints and gives requirements for alternative solutions.
SANS 50229:2010/ EN 50229:2007	<i>Electric clothes washer-dryers for household use – Methods of measuring the performance.</i> Specifies test methods with regard to the energy labelling of household combined washer-driers. Deals with performance criteria, energy and water consumption for the wash programme and drying cycle and permitted tolerances to values declared by the manufacturer.
SANS 51176-1:2010/ EN 1176-1:2008	<i>Playground equipment and surfacing – Part 1: General safety requirements and test methods.</i> Specifies general safety requirements for public playground equipment and surfacing, as well as the requirements that will protect children from hazards that they might be unable to foresee when using the equipment as intended, or in a manner that can be reasonably anticipated. Applicable not only to playground equipment intended for individual and collective use by children but also to equipment and units installed as children's playground equipment although they were not manufactured as such.
SANS 51176-2:2010/ EN 1176-2:2008	<i>Playground equipment and surfacing – Part 2: Additional specific safety requirements and test methods for swings.</i> Specifies additional safety requirements for swings intended for permanent installation for use by children. Gives recommendations on the design and siting of swings.
SANS 51176-3:2010/ EN 1176-3:2008	<i>Playground equipment and surfacing – Part 3: Additional specific safety requirements and test methods for slides.</i> Specifies additional safety requirements for slides intended for permanent installation for use by children. Aims to provide protection to the user against possible hazards during use. Not applicable to waterslides, rollerways, slide installations where auxiliary equipment is used or inclined surfaces which do not contain and guide the user.
SANS 51176-4:2010/ EN 1176-4:2008	<i>Playground equipment and surfacing – Part 4: Additional specific safety requirements and test methods for cableways.</i> Applies to cableways whereby children travel on or along a cable by the use of gravity. Specifies additional safety requirements for cableways intended for permanent installation for use by children.
SANS 51176-5:2010/ EN 1176-5:2008	<i>Playground equipment and surfacing – Part 5: Additional specific safety requirements and test methods for carousels.</i> Applies to carousels that are used as playground equipment for children. Specifies additional safety requirements for carousels of diameter greater than 500 mm intended for permanent installation for use by children. Does not apply to equipment where the main play function is not rotating, motor-driven carousels, fairground carousels or climbing drums.
SANS 51176-6:2010/ EN 1176-6:2008	<i>Playground equipment and surfacing – Part 6: Additional specific safety requirements and test methods for rocking equipment.</i> Applies to rocking equipment which is used as playground equipment for children. Specifies additional safety requirements for seesaws and rocking equipment intended for permanent installation for use by children. Intended to provide protection to the user against possible hazards during use. Provides guidance for assessing the safety of other forms of seesaw/rocking equipment.
SANS 51176-7:2010/ EN 1176-7:2008	<i>Playground equipment and surfacing – Part 7: Guidance on installation, inspection, maintenance and operation.</i> Gives guidance on the installation, inspection, maintenance and operation of playground equipment, including ancillary items, e.g. gates, fences, and surfacing.
SANS 51176-10:2010/ EN 1176-10:2008	<i>Playground equipment and surfacing – Part 10: Additional specific safety requirements and test methods for fully enclosed play equipment.</i> Applies to fully enclosed play equipment intended for installation inside and outside buildings, for children up to 14 years of age. Gives additional safety requirements for exits and escape routes, visibility, external "climbability", containment walls/netting in relation to safety area, ignition resistance, specific equipments/components, impact-attenuating surfaces, signage, specific inspection and maintenance.
SANS 51177:2010/ EN 1177:2008	<i>Impact attenuating playground surfacing – Determination of critical fall height.</i> Specifies a method for determining the impact attenuation of playground surfacing. Defines a critical fall height for surfacing, which represents the upper limit of its effectiveness in reducing head injury when using playground equipment.
SANS 51253-1:2010/ EN 1253-1:2003	<i>Gullies for buildings – Part 1: Requirements.</i> Specifies gullies, gives guidance for places of installation and requirements for the construction, design, performance and marking of factory made gullies for buildings, irrespective of material, for use in drainage systems operating under gravity including siphonic systems.
SANS 51253-2:2010/ EN 1253-2:2003	<i>Gullies for buildings – Part 2: Test methods.</i> Specifies test methods for gullies for buildings according to EN 1253-1:2003 and access covers in accordance with EN 1253-4 (published in South Africa as an identical adoption under the designation SANS 51253-1 and SANS 51253-4).
SANS 51253-3:2010/ EN 1253-3:1999	<i>Gullies for buildings – Part 3: Quality control.</i> Specifies the requirements for quality control for gullies and access covers for buildings to ensure conformity of these products with EN 1253-1:1999 and EN 1253-4 (published in South Africa as an identical adoption under the designation SANS 51253-1 and SANS 51253-4).
SANS 51253-4:2010/ EN 1253-4:1999	<i>Gullies for buildings – Part 4: Access covers.</i> Specifies access covers according to their loading strength and requirements relating to their design, construction, marking, testing and quality control.
SANS 51253-5:2010/ EN 1253-5:2003	<i>Gullies for buildings – Part 5: Gullies with light liquids closure.</i> Specifies requirements for the design, construction, performance, application and marking as well as test methods of factory made gullies with a light liquid closure for buildings.

Standard No. and year	Title, scope and purport
SANS 51854:2010/ EN 1854:2006	<i>Pressure sensing devices for gas burners and gas burning appliances.</i> Specifies requirements and test methods for pressure sensing devices (PSDs) for the control of pressures of combustible gases of the first, second and third families, air, combustion products and mixtures thereof for operating pressures up to 5 bar. It covers all types of PSD including electronic, differential and inferential types. It covers type testing only.
SANS 52056-1:2010/ EN 12056-1:2000	<i>Gravity drainage systems inside buildings – Part 1: General and performance requirements.</i> Specifies waste water drainage systems which operate under gravity and is applicable to drainage systems inside dwellings and commercial, institutional and industrial buildings.
SANS 52056-2:2010/ EN 12056-2:2000	<i>Gravity drainage systems inside buildings – Part 2: Sanitary pipework, layout and calculation.</i> Specifies waste water drainage systems which operate under gravity and is applicable to drainage systems inside dwellings and commercial, institutional and industrial buildings.
SANS 52056-3:2010/ EN 12056-3:2000	<i>Gravity drainage systems inside buildings – Part 3: Roof drainage, layout and calculation.</i> Specifies waste water drainage systems which operate under gravity and is applicable to drainage systems inside dwellings and commercial, institutional and industrial buildings.
SANS 52056-4:2010/ EN 12056-4:2000	<i>Gravity drainage systems inside buildings – Part 4: Wastewater lifting plants – Layout and calculation.</i> Specifies layout, operation and maintenance requirements for lifting plants for wastewater containing faecal matter, faecal-free wastewater and rainwater within buildings and sites, together with their discharge pipework and connection to drain and faecal wastewater lifting plants for limited applications.
SANS 52056-5:2010/ EN 12056-5:2000	<i>Gravity drainage systems inside buildings – Part 5: Installation and testing, instructions for operation, maintenance and use.</i> Specifies waste water drainage systems which operate under gravity and is applicable to drainage systems inside dwellings and commercial, institutional and industrial buildings.
SANS 53584:2010/ EN 13584:2003	<i>Products and systems for the protection and repair of concrete structures – Test methods – Determination of creep in compression for repair products.</i> Specifies a method for measuring creep under compressive load in products and systems for the repair of concrete structures, as defined in prEN 1504-3. Suitable for repair mortars and concretes with polymer binders (PC) and repair grouts, mortars and concretes with hydraulic binders (CC) and polymer cement binders (PCC).
SANS 54960:2010/ EN 14960:2006	<i>Inflatable play equipment – Safety requirements and test methods.</i> Specifies safety requirements for inflatable play equipment for which the primary activities are bouncing and sliding. Sets measures to address risks and minimize accidents to users for those involved in the design, manufacture and supply of inflatable play equipment. Also specifies the information to be supplied with the equipment, and the requirements that will protect children from hazards that they might be unable to foresee when using the equipment as intended, or in a manner that can be reasonably anticipated.
SANS 60034-31:2010/ IEC/TS 60034-31:2010	<i>Rotating electrical machines – Part 31: Selection of energy-efficient motors including variable speed applications – Application guide.</i> Provides a guideline of technical aspects for the application of energy-efficient, three-phase, electric motors.
SANS 60704-1:2010/ IEC 60704-1:2010	<i>Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 1: General requirements.</i> Applies to electric appliances (including their accessories or components) for household and similar use, supplied from mains or from batteries.
SANS 60909-0:2010/ IEC 60909-1:2002	<i>Short-circuit currents in three-phase a.c. systems – Part 0: Calculation of currents.</i> Applicable to the calculation of short-circuit currents in low-voltage three-phase a.c. systems and in high-voltage three-phase a.c. systems operating at a nominal frequency of 50 Hz or 60 Hz.
SANS 60909-1:2010/ IEC/TR 60909-1:2002	<i>Short-circuit currents in three-phase a.c. systems – Part 1: Factors for the calculation of short-circuit currents according to IEC 60909-0.</i> Applicable to short-circuit currents in three-phase a.c. systems. Aims at showing the origin and the application, as far as necessary, of the factors used to meet the demands of technical precision and simplicity when calculating short-circuit currents according to IEC 60909-0 (published in South Africa as an identical adoption under the designation SANS 60909-0).
SANS 60909-2:2010/ IEC/TR 60909-2:2008	<i>Short-circuit currents in three-phase a.c. systems – Part 2: Data of electrical equipment for short-circuit current calculations.</i> Gives data of electrical equipment collected from different countries to be used when necessary for the calculation of short-circuit currents in accordance with IEC 60909-0 (published in South Africa as an identical adoption under the designation SANS 60909-0). Generally, electrical equipment data are given by the manufacturers on the name plate or by the electricity supplier.
SANS 60909-3:2010/ IEC 60909-3:2009	<i>Short-circuit currents in three-phase a.c. systems – Part 3: Currents during two separate simultaneous line-to-earth short circuits and partial short-circuit currents flowing through earth.</i> Specifies procedures for calculation of the prospective short-circuit currents with an unbalanced short circuit in high-voltage three-phase a.c. systems operating at nominal frequency 50 Hz or 60 Hz, i. e. currents during two separate simultaneous line-to-earth short circuits in isolated neutral or resonant earthed neutral systems; partial short-circuit currents flowing through earth in case of single line-to-earth short circuit in solidly earthed or low-impedance earthed neutral systems.
SANS 60909-4:2010/ IEC/TR 60909-4:2000	<i>Short-circuit currents in three-phase a.c. systems – Part 4: Examples for the calculation of short-circuit currents.</i> Gives help for the application of IEC 60909-0 (published in South Africa as an identical adoption under the designation SANS 60909-0), for the calculation of short-circuit currents in 50 Hz or 60 Hz three-phase a.c. systems. Gives support for the modelling of electrical equipment in the positive-sequence, the negative-sequence and the zero-sequence system and the practical execution of calculations in a low-voltage system, a medium-voltage system with asynchronous motors and a power-station unit with its auxiliary network feeding a large number of medium-voltage asynchronous motors and low-voltage motor groups.
SANS 62087:2010/ SABS 62087:2008	<i>Methods of measurement for the power consumption of audio, video and related equipment.</i> Specifies methods of measurement for the power consumption of television sets, video recording equipment, Set Top Boxes (STBs), audio equipment and multi-function equipment for consumer use.

Standard No. and year	Title, scope and purport
SANS 62282-6-300:2010/ IEC 62282-6-300:2009	<i>Fuel cell technologies – Part 6-300: Micro fuel cell power systems – Fuel cartridge interchangeability.</i> Covers interchangeability of micro fuel cell (MFC) fuel cartridges to provide the cartridge compatibility for a variety of MFC power units while maintaining the safety and performance of MFC power systems. For this purpose, the standard covers fuel cartridges and their connector designs. Fuel type, fuel concentration and fuel quality are also covered. This standard also provides for the means to avoid the miss-connection of an improper fuel cartridge. Test methods for verifying the compliance with the interchangeability requirements for fuel and fuel cartridges are also provided in this standard.
SANS 80601-2-56:2010/ ISO 80601-2-56:2009	<i>Medical electrical equipment – Part 2-56: Particular requirements for basic safety and essential performance of clinical thermometers for body temperature measurement.</i> Applies to the basic safety and essential performance of electrical clinical thermometers in combination with its accessories, used for measuring the body temperature of patients. Gives general and technical requirements.

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 71:2010 (Ed. 1.1)	<i>Inspection and testing of vehicle hoists. Consolidated edition incorporating amendment No. 1.</i> Amended to move reference to South African legislation in the text to the foreword.
SANS 105-A01:2010/ ISO 105-A01:2010 (SABS ISO 105-A01:1994)	<i>Textiles – Tests for colour fastness – Part A01: General principles of testing.</i> Provides general information about the methods for testing colour fastness of textiles for the guidance of users. The uses and the limitations of the methods are pointed out, several terms are defined, an outline of the form of the methods is given and the contents of the clauses constituting the methods are discussed.
SANS 320:2010 (Ed. 4.1)	<i>Men's heavy boots, service type (Goodyear welted). Consolidated edition incorporating amendment No. 1.</i> Amended to update normative references.
SANS 321:2010 (Ed. 4.1)	<i>The production of men's boots (Goodyear welted, with stitched or stuck-on outer soles). Consolidated edition incorporating amendment No. 1.</i> Amended to update normative references.
SANS 354:2010/ ISO 281:2007	<i>Rolling bearings – Dynamic load ratings and rating life.</i> Specifies methods of calculating the basic dynamic load rating of rolling bearings within the size ranges shown in the relevant ISO publications, manufactured from contemporary, commonly used, high quality hardened bearing steel, in accordance with good manufacturing practice and basically of conventional design as regards the shape of rolling contact surfaces. It also specifies methods of calculating the basic rating life, which is the life associated with 90 % reliability, with commonly used high quality material, good manufacturing quality and with conventional operating conditions. In addition, it specifies methods of calculating the modified rating life, in which various reliabilities, lubrication condition, contaminated lubricant and fatigue load of bearing are taken into account.
SANS 355:2010/ ISO 355:2007	<i>Rolling bearings – Tapered roller bearings – Boundary dimensions and series designations.</i> Specifies bearing and subunit boundary dimensions for complete single-row and double-row tapered roller bearings. It also specifies the flange dimensions of flanged outer rings for a selection of these bearings. A series designation for each bearing is also specified.
SANS 361:2010/ ISO 10317:2008	<i>Rolling bearings – Tapered roller bearings – Designation system.</i> Establishes a system for the designation of metric size tapered roller bearings produced in accordance with ISO 355 (published in South Africa as an identical adoption under the designation SANS 355). The system covers designations for single-row bearings, double-row bearings, and bearings with flanged outer rings. It also establishes designations for separate inner subunits (inner ring, tapered rollers and cage) and outer rings of such bearings.
SANS 365:2010/ ISO 6279:2006	<i>Plain bearings – Aluminium alloys for solid bearings.</i> Specifies the composition and properties of preferred cast aluminium alloys for use in solid plain bearings.
SANS 421:2010 (Ed. 5.1)	<i>The production of men's shoes (Goodyear welted with stitched or stuck-on outer soles). Consolidated edition incorporating amendment No. 1.</i> Amended to update normative references.
SANS 422:2010 (Ed. 5.1)	<i>Hospital nurses' shoes (Goodyear welted construction). Consolidated edition incorporating amendment No. 1.</i> Amended to update normative references.
SANS 432:2010 (Ed. 3.2)	<i>Indelible marking ink for textile fabrics. Consolidated edition incorporating amendment No. 2.</i> Amended to update a referenced standard.
SANS 674:2010 (Ed. 1.1)	<i>Steel-reinforced spirally wound PE drainage and sewer pipes. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards, to delete the requirements for thermal stability of PE compounds and to correct the title of annex D.
SANS 746:2010 (Ed. 2.1)	<i>Cast-iron pipes and pipe fittings for use above ground in drainage installations. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable" and to update referenced standards.
SANS 815-1:2010 (Ed. 1.2)	<i>Shoulder-ended and groove-ended piping systems – Part 1: Shoulder-ended steel pipes, fittings and couplings. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards, to correct cross-references, to modify the requirements for steel fittings, cast-iron fittings and couplings, sealing rings for couplings, and welds, to update the dimensions for stub ends in figure 2 and blank ends in figure 3, to add a tolerance to the table in figure 20(c), and to add an alternative type of bolt to figure 20(d).

Standard No. and year	Title, scope and purport
SANS 993:2010 (Ed. 1.1)	<i>Modular co-ordination in building. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 998:2010 (Ed. 1.3)	<i>Stainless steelware for domestic and general use. Consolidated edition incorporating amendment No. 3.</i> Amended to modify a requirement for manganese in table 1.
SANS 1178:2010 (SABS 1178:1979)	<i>The production of coated steel pipes using fibre reinforced bituminous materials.</i> Covers the application of bitumen and of coal tar enamel to the inside (lining) or the outside (coating) of welded steel pipes of nominal size greater than 150 mm, to render them suitable for burial in soil or for submerging in water, fresh or salt. In addition, requirements for essential properties of the finished linings and coatings are specified.
SANS 1240:2010 (Ed. 2.2)	<i>Automatic shut-off flush valves for water closets and urinals. Consolidated edition incorporating amendment No. 2.</i> Amended to change the test procedure for flushing performance and resistance to back pressure (water closet flush valves).
SANS 1291-2:2010 (Ed. 2.2)	<i>Flexible polyurethane foam sleeping mats and mattresses – Part 2: Foam mattresses for domestic and hotel use. Consolidated edition incorporating amendment No. 2.</i> Amended to update a referenced standard and to change material requirements for foam.
SANS 1400:2010 (SABS 1400:1993)	<i>Equipment (including oculars) for eye, face and neck protection against non-ionizing radiation arising during welding and similar operations – Welding helmets, hand shields, goggles and welding spectacles.</i> Specifies requirements for the materials, design and manufacture of welding helmets, hand shields, goggles and welding spectacles that are intended to be used with protective filters, filter covers and backing lenses that comply with the requirements of SANS 50169.
SANS 1482:2010 (Ed. 2.1)	<i>Ladies' shoes, flat lasted, with stuck-on outer soles. Consolidated edition incorporating amendment No. 1.</i> Amended to update normative references.
SANS 1492-1:2010 (Ed. 2.1)	<i>Men's shoes with stuck-on outer soles – Part 1: Flat lasted construction. Consolidated edition incorporating amendment No. 1.</i> Amended to update normative references.
SANS 1492-2:2010 (Ed. 2.1)	<i>Men's shoes with stuck-on outer soles – Part 2: California type construction. Consolidated edition incorporating amendment No. 1.</i> Amended to update normative references.
SANS 1492-3:2010 (Ed. 2.1)	<i>Men's shoes with stuck-on outer soles – Part 3: Moccasin type construction. Consolidated edition incorporating amendment No. 1.</i> Amended to update normative references.
SANS 1524-1:2010 (SABS 1524-1:2005)	<i>Electricity payment systems – Part 1: Payment meters.</i> Specifies characteristics of single and polyphase payment meters for indoor use, and requirements for meters used in reticulation subsystems which require meters to have integrated additional protection, safety and control functionality.
SANS 1700-16-15:2010/ ISO 10644:2009	<i>Fasteners – Part 16: Washers – Section 15: Screw and washer assemblies made of steel with plain washers – Washer hardness classes 200 HV and 300 HV.</i> Specifies the requirements for metric screw and plain washer assemblies with coarse thread M2 to M12 inclusive, flat seating heads, property classes up to and including 10.9 and washer hardness classes 200 HV and 300 HV.
SANS 1707-1:2010 (Ed. 1.1)	<i>Sawn eucalyptus timber – Part 1: Proof-graded structural timber. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards and to remove reference to a certification mark scheme.
SANS 1783-3:2010 (Ed. 1.2)	<i>Sawn softwood timber – Part 3: Industrial timber. Consolidated edition incorporating amendment No. 2.</i> Amended to remove reference to a certification mark scheme, to update referenced standards and to remove reference to the South African Bureau of Standards.
SANS 1796:2010 (SABS 1796:2009)	<i>Application of durable organic powder coatings for architectural aluminium.</i> Specifies the characteristics of durable organic powder coating (finish) on aluminium alloy extrusions, sheet and welded structures to be used for external architectural applications. It includes powder coatings used for special finishes.
SANS 1808-44:2010 (Ed. 1.3)	<i>Water supply and distribution system components – Part 44: Pipe saddles. Consolidated edition incorporating amendment No. 3.</i> Amended to update the list of parts in the foreword, to update referenced standards, to insert the definition of a sealing arrangement, to change the requirements for plastics pipe saddles and to add a requirement for the dimensions of the sealing arrangement for flat gaskets.
SANS 1825:2010 (SABS 1825:2005)	<i>Gas cylinder test stations – General requirements for periodic inspection and testing of transportable refillable gas pressure receptacles.</i> Specifies minimum requirements for test stations for transportable gas cylinders of water capacity 0,5 L to 3 000 L, including carbon dioxide gas cylinders used in firefighting applications. Excludes the testing of hand-held fire extinguishers with an operating pressure less than 2 000 kPa.
SANS 2062:2010/ ISO 2062:2009 (SABS ISO 2062:1005)	<i>Textiles – Yarns from packages – Determination of single-end breaking force and elongation at break using constant rate of extension (CRE) tester.</i> Specifies four methods for the determination of the breaking force and elongation at break of textile yarns taken from packages.
SANS 2076:2010/ ISO 2076:2010 (SABS ISO 2076:1999)	<i>Textiles – Man-made fibres – Generic names.</i> Lists the generic names used to designate the different categories of man-made fibres currently manufactured on an industrial scale for textile and other purposes, together with the distinguishing attributes that characterize them.
SANS 4378-1:2010/ ISO 4378-1:2009	<i>Plain bearings – Terms, definitions, classification and symbols – Part 1: Design, bearing materials and their properties.</i> Gives the most commonly used terms relating to design, bearing materials and their properties of plain bearings with their definitions and classification. For some terms and word-combinations, their short forms are given, which can be used where they are unambiguous. Self-explanatory terms are given without definitions.

Standard No. and year	Title, scope and purport
SANS 4378-2:2010/ ISO 4378-2:2009	<i>Plain bearings – Terms, definitions, classification and symbols – Part 2: Friction and wear.</i> Gives the most commonly used terms relating to lubrication of plain bearings with their definitions and classification. For some terms and word-combinations their short forms are given, which can be used when they are unambiguous. Self-explanatory terms are given without definitions.
SANS 4378-3:2010/ ISO 4378-3:2009	<i>Plain bearings – Terms, definitions, classification and symbols – Part 3: Lubrication.</i> Gives the most commonly used terms relating to lubrication of plain bearings with their definitions and classification. For some terms and word-combinations, their short forms are given, which can be used when they are unambiguous. Self-explanatory terms are given without definitions.
SANS 5620:2010 (SABS SM 620:1972)	<i>Determination of sulphated ash content of water-solubles in leather.</i> Specifies a method for the determination of sulphated ash content of water-soluble matter in leather.
SANS 8085-3:2010/ ISO 8085-3:2001	<i>Polyethylene fittings for use with polyethylene pipes for the supply of gaseous fuels – Metric series – Specifications – Part 3: Electrofusion fittings. ISO corrigendum No. 1.</i> Corrected to modify the dimensional requirements for the relationship between fitting and pipe wall thickness, to change the note in the clause on mechanical characteristics to full text, and to delete the footnote and the reference to it in the table on performance requirements. <i>ISO corrigendum No. 2.</i> Corrected to update referenced standards, to update the table on characteristics of the PE compound, and to replace the table on the physical characteristics of fittings.
SANS 9297:2010 (Ed. 1.1)	<i>Water quality – Determination of chloride – Silver nitrate titration with chromate indicator (Mohr's method). Consolidated edition incorporating amendment No. 1.</i> Amended to update a referenced standard.
SANS 10087-8:2010 (SABS 087-8:1976)	<i>The handling, storage, distribution and maintenance of liquefied petroleum gas in domestic, commercial and industrial installations – Part 8: The fuelling of fork lift trucks and other LP gas operated vehicles.</i> Covers the requirements for the filling of containers in-situ for LP gas operated forklifts from fixed storage and filling equipment, including the siting and safe use of this equipment. It does not cover safety precautions or the filling procedure for motor vehicles and stationary engines, which can be found in SANS 10087-3.
SANS 10140-5:2010 (Ed. 2.4)	<i>Identification colour marking – Part 5: Coding of containers for carrying lubricants and associated fluids. Consolidated edition incorporating amendment No. 4.</i> Amended to delete a note in the scope, to insert a note in annex C and to renumber a note accordingly.
SANS 10198-10:2010 (SABS 0198-10:1988)	<i>The selection, handling and installation of electric power cables of rating not exceeding 33 kV – Part 10: Jointing and termination of paper-insulated cables.</i> Deals with the practical aspects of handling and installing cables. Covers the jointing and termination of low and medium voltage paper-insulated cables, including common procedures for jointers, through jointing, terminations, stop joints, plumbing aluminium sheaths and certain alternative methods.
SANS 10206:2010 (Ed. 2.2)	<i>The handling, storage and disposal of pesticides. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 10229-2:2010 (Ed. 1.1)	<i>Transport of dangerous goods – Packaging and large packaging for road and rail transport – Part 2: Large packaging. Consolidated edition incorporating amendment No. 1.</i> Amended to correct the title of the national accreditation authority and the title of an Act and to update the marking requirements.
SANS 10263-0:2010 (Ed. 1.1)	<i>The warehousing of dangerous goods – Part 0: General requirements. Consolidated edition incorporating amendment No. 1.</i> Amended to correct the legend to table E.1.
SANS 10377-1:2010 (Ed. 1.2)	<i>Pressure vessels for human occupancy – Part 1: Hyperbaric chambers (therapeutic). Consolidated edition incorporating amendment No. 2.</i> Amended to update references to fire-fighting hoses and pipeline systems and to move reference to legislation to the foreword.
SANS 10993-1:2010/ ISO 10993-1:2009	<i>Biological evaluation of medical devices – Part 1: Evaluation and testing within a risk management process.</i> Describes the general principles governing the biological evaluation of medical devices within a risk management process, the general categorization of devices based on the nature and duration of their contact with the body, the evaluation of existing relevant data from all sources, the identification of gaps in the available data set on the basis of risk analysis, the identification of additional data sets necessary to analyse the biological safety of the medical devices, and the assessment of the biological safety of the medical devices.
SANS 10993-5:2010/ ISO 10993-5:2009	<i>Biological evaluation of medical devices – Part 5: Tests for in vitro cytotoxicity.</i> Describes test methods to assess the in vitro cytotoxicity of medical devices. These methods specify the incubation of cultured cells in contact with a device or extracts of a device (or both) either directly or through diffusion. These methods are designed to determine the biological response of mammalian cells in vitro using appropriate biological parameters.
SANS 11166:2010 (SABS SM 1166:2006)	<i>Textiles – Colour fastness to domestic washing procedures.</i> Specifies a method of determining the resistance of the colour of textiles of all kinds and in all forms to domestic washing procedures. Six domestic washing procedures are described.
SANS 11903:2010/ ISO 11903:2006	<i>Tools for pressing – Guide pillar mountings.</i> Specifies the dimensions and tolerances, in millimetres, of guide pillar mountings intended for mounting with or without guide bush. It also specifies the material and the designation of guide pillar mountings that are in accordance with its specifications.
SANS 12301:2010/ ISO 12301:2007	<i>Plain bearings – Quality control techniques and inspection of geometrical and material quality characteristics.</i> Specifies quality control techniques and inspection of the geometrical and material quality characteristics of specific types of plain bearings.
SANS 60034-1:2010/ IEC 60034-1:2010	<i>Rotating electrical machines – Part 1: Rating and performance.</i> Applicable to all rotating electrical machines except those covered by other IEC standards.

Standard No. and year	Title, scope and purport
SANS 60079-15:2010/ IEC 60079-15:2010 (SABS IEC 60079-15:2006)	<i>Explosive atmospheres – Part 15: Equipment protection by type of protection "n".</i> Specifies requirements for the construction, testing and marking for Group II electrical equipment with type of protection "n", intended for use in explosive gas atmospheres. Applies to electrical equipment where the rated voltage does not exceed 15 kV r.m.s. a.c. or d.c. Applicable to non-sparking electrical equipment and also to electrical equipment with parts or circuits producing arcs or sparks or having hot surfaces which, if not protected in one of the ways specified, could be capable of igniting a surrounding explosive gas atmosphere.
SANS 60335-2-2:2010/ IEC 60335-2-2:2009 (SABS IEC 60335-2-2:2005)	<i>Household and similar electrical appliances – Safety – Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances.</i> Deals with the safety of electric vacuum cleaners and water-suction cleaning appliances for household and similar purposes, including vacuum cleaners for animal grooming, their rated voltage being not more than 250 V. Also applies to centrally-sited vacuum cleaners and automatic battery-powered cleaners.
SANS 60335-2-24:2010/ IEC 60335-2-24:2010 (SABS IEC 60335-2-24:2003)	<i>Household and similar electrical appliances – Safety – Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice-makers.</i> Deals with the safety of refrigerating appliances, ice-cream appliances and ice-makers, their rated voltage being not more than 250 V for single-phase appliances, 480 V for other appliances and 24 V d.c. for appliances when battery operated.
SANS 60335-2-41:2010/ IEC 60335-2-41:2010 (Ed. 3.2)	<i>Household and similar electrical appliances – Safety – Part 2-41: Particular requirements for pumps. Consolidated edition incorporating amendment No. 2.</i> Amended to add to the introduction, to add a cautionary statement regarding challenged persons including children, to change requirements for supply connections and external flexible cords, and requirements for resistance to heat and fire, and to add a referenced standard to the bibliography.
SANS 60335-2-89:2010/ IEC 60335-2-89:2010	<i>Household and similar electrical appliances – Safety – Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor.</i> Specifies safety requirements for electrically operated commercial refrigerating appliances that have an incorporated compressor or that are supplied in two units for assembly as a single appliance in accordance with the manufacturer's instructions (split system).
SANS 61347-2-10:2010/ IEC 61347-2-10:2009 (SABS IEC 60347-2-10:2000) (Ed. 1.1)	<i>Lamp controlgear – Part 2-10: Particular requirements for electronic invertors and convertors for high-frequency operation of cold start tubular discharge lamps (neon tubes). Consolidated edition incorporating amendment No. 1.</i> Amended to change definitions, to change a requirement for the open-circuit protective device and particular requirements for thermally protected lamp controlgear, and to do editorial corrections.
SANS 60730-1:2010/ IEC 60730-1:2010 (SABS IEC 60730-1:2007)	<i>Automatic electrical controls for household and similar use – Part 1: General requirements.</i> Applies to automatic electrical control for use in, on, or in association with equipment for household and similar use, including controls for heating, air-conditioning and similar applications. The equipment may use electricity, gas, oil, solid fuel, solid thermal energy, etc., or a combination thereof.
SANS 60745-1:2010/ IEC 60745-1:2006	<i>Hand-held motor-operated electric tools – Safety – Part 1: General requirements.</i> Deals with the safety of hand-held motor-operated or magnetically driven electric tools, the rated voltage of the tools being not more than 250 V for single-phase a.c. or d.c. tools, and 440 V for three-phase a.c. tools.
SANS 61000-4-3:2008/ IEC 61000-4-3:2008 (Ed. 3.1)	<i>Electromagnetic compatibility (EMC) – Part 4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test. IEC amendment No. 2.</i> Amended to add a new annex J which gives information related to measurement uncertainty (MU) of the test level setting according to the particular needs of the test method contained in the main body of the standard.

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 256:2004	<i>Liquid furniture polish (non-wax emulsion type).</i>
SANS 748:2002	<i>Road tar binders prepared from coke oven crudes.</i>
SANS 1081:2001	<i>Detergent-disinfectants based on iodophors.</i>
SANS 2220-2-1:2006	<i>Electrical security systems – Part 1.2: Intruder alarm systems – Ultrasonic Doppler detectors.</i>
SANS 2220-1-3:2006	<i>Electrical security systems – Part 1.3: Intruder alarm systems – Ultrasonic Doppler detectors.</i>
SANS 2220-1-4:2007	<i>Electrical security systems – Part 1-4: Intruder alarm systems – Microwave Doppler detectors.</i>
SANS 2220-1-5:2007	<i>Electrical security systems – Part 1-5: Intruder alarm systems – Passive infra-red detectors.</i>
SANS 10121:1977	<i>Cathodic protection of buried and submerged structures.</i>
SANS 10160:1989	<i>The general procedures and loadings to be adopted in the design of buildings.</i>
SANS 12004:1997	<i>Metallic materials – Guidelines for the determination of forming-limit diagrams.</i>

Standard No. and year	Title
SANS 13335-1:2005	<i>Information technology – Security techniques – Management of information and communications technology security – Part 1: Concepts and models for information and communications technology security management.</i>
SANS 13335-3:2002	<i>Information technology – Guidelines for the management of IT security – Part 3: Techniques for the management of IT Security.</i>
SANS 13335-4:2002	<i>Information technology – Guidelines for the management of IT security – Part 4: Selection of safeguards.</i>
SANS 13335-5:2002	<i>Information technology – Guidelines for the management of</i>
SANS 15947:2003	<i>Information technology – Security techniques – IT intrusion detection framework.</i>
SANS 19791:2007	<i>Information technology – Security techniques – Security assessment of operational systems.</i>
SANS 60034-2:1972	<i>Rotating electrical machines – Part 2: Methods for determining losses and efficiency of rotating electrical machinery from tests (excluding machines for traction vehicles).</i>
SANS 60079-10:2005	<i>Electrical apparatus for explosive gas atmospheres – Part 10: Classification of hazardous areas.</i>
SANS 61241-10:2005	<i>Electrical apparatus for use in the presence of combustible dust – Part 10: Classification of areas where combustible dusts are or may be present.</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.