

DEPARTMENT OF TRADE AND INDUSTRY

No. 939

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STANDARDS ACT, 1993
STANDARDS MATTERS

In terms of the Standards Act, 1993 (Act No. 29 of 1993), 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 290:2007	<i>Mineral insulating oils – Management of polychlorinated biphenyls (PCBs).</i> Covers the requirements for the testing, classification, labelling, handling, storage, transportation, decontamination, and disposal of PCB contaminated oils. It also covers management provisions for the phase out of the use of PCB contaminated mineral insulation oils.
SANS 498:2007	<i>Replacement of wheel rims for commercial vehicles and their trailers.</i> Describes minimum performance requirements for fatigue testing of wheels and demountable rims intended for vehicles of categories of M2, M3, N, O3 and O4, as the replacement of the original equipment.
SANS 569:2007	<i>Open-sided passenger vehicles.</i> Specifies safety requirements for open-sided passenger vehicles that are converted from vehicles of categories M and N and that are designed or adapted for operation on a public road. It does not apply to conversions that retain the enclosed side, rear and roof structures of the base model.
SANS 1718-8:2007	<i>Gaming equipment – Part 8: Roulette wheels.</i> Specifies the constructional and design requirements of roulette wheels to be used on licensed premises, as specified by the provincial licensing authority. Automated roulette wheels used in gaming devices are also covered by these requirements, unless the results are determined by a random number generator.
SANS 1973-1:2007	<i>Low-voltage switchgear and controlgear ASSEMBLIES – Part 1: Type-tested ASSEMBLIES with stated deviations and a rated short-circuit withstand strength above 10 kA.</i> Applicable to low-voltage switchgear and controlgear ASSEMBLIES that are type tested, that have stated deviations and a rated short-circuit withstand strength above 10 kA, are stationary or movable, that have a rated voltage not exceeding 1 000 V a.c. at frequencies not exceeding 50 Hz or 1 500 V d.c., that are intended for use in connection with the generation, transmission, distribution and conversion of electric energy and for the control of electric energy consuming equipment, that incorporate control equipment or power equipment (or both), and are designed for use under normal or special service conditions.
SANS 2328:2007/ ISO 2328:1993	<i>Fork-lift trucks – Hook-on type fork arms and fork arm carriages – Mounting dimensions.</i> Specifies the dimensions and some additional requirements of fork carriers and hook-on type fork arms for fork-lift trucks, to permit interchangeability of fork arms and/or other attachments, related to the truck rated capacity and type of fork arm.
SANS 2330:2007/ ISO 2330:2002	<i>Fork-lift trucks – Fork arms – Technical characteristics and testing.</i> Specifies manufacturing, testing and marking requirements for solid-section fork arms, for quantity production and with all types of mounting. These include, but are not limited to, hook, shaft or pin, bolt-on and roller type fork arms. By agreement between the fork arm manufacturer and the purchaser, these requirements may also be applied to fork arms not intended for quantity manufacture.
SANS 7203-1:2007/ ISO 7203-1:1995	<i>Fire extinguishing media – Foam concentrates – Part 1: Specification for low expansion foam concentrates for top application to water-immiscible liquids.</i> Specifies essential properties and performance of liquid foam concentrates used to make low expansion foams for the control, extinction and inhibition of re-ignition of fires of water-immiscible liquids. Also specifies minimum performance on certain test fires.
SANS 7203-2:2007/ ISO 7203-2:1995	<i>Fire extinguishing media – Foam concentrates – Part 2: Specification for medium and high expansion foam concentrates for top application to water-immiscible liquids.</i> Specifies essential properties and performance of liquid foam concentrates used to make medium or high (or both) expansion foams for the control, extinction and inhibition of re-ignition of fires of water-immiscible liquids. Also specifies minimum performance on certain test fires.
SANS 7203-3:2007/ ISO 7203-3:1999	<i>Fire extinguishing media – Foam concentrates – Part 3: Specification for low expansion foam concentrates for top application to water-miscible liquids.</i> Applies to low expansion foam concentrates which conform to ISO 7203-1 (published in South Africa as an identical adoption under the designation SANS 7203-1). Specifies additional requirements to assess their suitability for use on water-miscible fuels.
SANS 7296-1:2007/ ISO 7296-1:1991	<i>Cranes – Graphic symbols – Part 1: General.</i> Establishes general graphic symbols for use on the controls of cranes and indicates colour for control buttons and signal lamps.

Standard No. and year	Title, scope and purport
SANS 7752-1:2007/ ISO 7752-1:1983	<i>Lifting appliances – Controls – Layout and characteristics – Part 1: General principles.</i> Establishes principles and requirements for the controls of lifting appliances. Deals with the arrangement of those controls which are used in positioning loads and serves as general basis for the elaboration of detailed standards covering controls for particular types of lifting appliances.
SANS 9373:2007/ ISO 9373:1989	<i>Cranes and related equipment – Accuracy requirements for measuring parameters during testing.</i> Specifies the principal requirements for instruments and measurement systems of test loads, distances, time and other relevant parameters when testing cranes and related equipment. Gives recommended limit values of relative errors in measurement during testing.
SANS 11629:2007/ ISO 11629:2004	<i>Cranes – Measurement of the mass of a crane and its components.</i> Sets forth basic procedures for measuring the mass of a crane as a whole or of its components (or both). Covers the types of cranes as defined in ISO 4306-1.
SANS 11630:2007/ ISO 11630:1997	<i>Cranes – Measurement of wheel alignment.</i> Establishes requirements for methods of measuring the alignment of crane wheels in accordance with ISO 4310 (published in South Africa as an identical adoption under the designation SANS 4310), ISO 9373 and ISO 12488-1 (published in South Africa as an identical adoption under the designation SANS 12488-1). The procedures given are based on the use of optical methods for measurement. Permits the use of other methods which ensure at least an equivalent accuracy of measurements. Applies to measurements on four-wheel cranes which move on rails (except railway cranes).
SANS 12480-3:2007/ ISO 12480-3:2005	<i>Cranes – Safe use – Part 3: Tower cranes.</i> Establishes required practices for the safe use of tower cranes, including safe systems of work, management, planning, selection, erection and dismantling, special base, operation and maintenance of cranes and the selection of drivers, slingers and signallers. Is intended to be used in conjunction with ISO 12480-1 (published in South Africa as an identical adoption under the designation SANS 12480-1). Does not cover manually (non-powered) operated cranes, or cranes in which at least one of its motions is manually operated.
SANS 13202:2007/ ISO 13202:2003	<i>Cranes – Measurement of velocity and time parameters.</i> Establishes guidelines for the measurement of the velocity and time parameters of cranes as defined in ISO 7363 (published in South Africa as an identical adoption under the designation SANS 7363). Is complementary to ISO 4310 (published in South Africa as an identical adoption under the designation SANS 4310).
SANS 13937-3:2007/ ISO 13937-3:2000	<i>Textiles – Tear properties of fabrics – Part 3: Determination of tear force of wing-shaped test specimens (Single tear method).</i> Specifies a single tear method using a test specimen cut to form two wings that are clamped inclined at a defined angle to the thread direction. The tear force measured is the force required to propagate a previously started tear. The method is not applicable to knitted fabrics, woven elastic fabrics and nonwoven fabrics.
SANS 13937-4:2007/ ISO 13937-4:2000	<i>Textiles – Tear properties of fabrics – Part 4: Determination of tear force of tongue-shaped test specimens (Double tear test).</i> Specifies a double-tear method known as the tongue test, using a test specimen with cuts shaped to form a tongue. The tear force measured is the force required to propagate the previously started double tears when the force is applied parallel to the cuts and the fabric tears in the direction of the applied force. The test is mainly applicable to woven textile fabrics.
SANS 14907-1:2007/ ISO/TS 14907-1:2005	<i>Road transport and traffic telematics – Electronic fee collection – Test procedures for user and fixed equipment – Part 1: Description of test procedures.</i> Specifies the test procedures of EFC road-side equipment (RSE) and on-board equipment (OBE) with regard to the conformance to standards and requirements for type approval and acceptance testing which is specifically within the realm of EFC application. Is restricted to systems operating within the radio emission, EMC regulations, traffic and other regulations of the countries in which they are operated.
SANS 14907-2:2007/ ISO/TS 14907-2:2006	<i>Road transport and traffic telematics – Electronic fee collection – Test procedures for user and fixed equipment – Part 2: Conformance test for the onboard unit application interface.</i> Describes tests that verify OBU conformance of implementations of functions and data structures, as defined in the implementation conformance statement based on ISO 14906, for EFC applications.
SANS 15005:2007/ ISO 15005:2002	<i>Road vehicles – Ergonomic aspects of transport information and control systems – Dialogue management principles and compliance procedures.</i> Presents ergonomic principles for the design of the dialogues that take place between the driver of a road vehicle and the vehicle's transport information and control systems (TICS) while the vehicle is in motion. Specifies compliance verification conditions for the requirements related to these principles.
SANS 15006:2007/ ISO 15006:2004	<i>Road vehicles – Ergonomic aspects of transport information and control systems – Specifications and compliance procedures for in-vehicle auditory presentation.</i> Establishes ergonomic specifications for the presentation of auditory information related to transport information and control systems (TICS) through speech or sounds. Is applicable only to the use of auditory displays when the vehicle is in motion. Presents a set of requirements and recommendations for in-vehicle auditory messages from TICS, and provides message characteristics and functional factors for maximizing message intelligibility and utility while helping prevent auditory or mental overload.
SANS 15008:2007/ ISO 15008:2003	<i>Road vehicles – Ergonomic aspects of transport information and control systems – Specifications and compliance procedures for in-vehicle visual presentation.</i> Gives minimum specifications for the image quality and legibility of displays containing dynamic (changeable) visual information presented to the driver of a road vehicle by on-board transport information and control systems (TICSs) used while the vehicle is in motion. Intended to be independent of display technologies, while test methods and measurements for assessing compliance with them have been included where necessary.
SANS 15585:2007/ ISO 15585:2006	<i>Hard coal – Determination of caking index.</i> Specifies a method of determination of caking index of hard coal. It is applicable to the evaluation of caking power of bituminous coal with random reflectance of vitrinite greater than 0.6 % and less than or equal to 1.8 %.
SANS 16422:2007/ ISO 16422:2006	<i>Pipes and joints made of oriented unplasticized poly(vinyl chloride) (PVC-O) for the conveyance of water under pressure - Specifications.</i> Specifies the general aspects of pipes and joints made of oriented unplasticized poly(vinyl chloride) (PVC-O), for piping systems intended to be used underground or above-ground where not exposed to direct sunlight, for water, mains and services, pressurized sewer systems and irrigation systems.

Standard No. and year	Title, scope and purport
SANS 17663:2007/ ISO 17664:2004	<i>Sterilization of medical devices – Information to be provided by the manufacturer for the processing of resterilizable medical devices.</i> Specifies the information to be provided by the medical device manufacturer on the processing of medical devices claimed to be re-sterilizable and medical devices intended to be sterilized by the processor. It specifies requirements for the information to be provided by the medical device manufacturer, so that the medical device can be processed safely and will continue to meet its performance specification.
SANS 18234-2:2007/ ISO/TS 18234-2:2006	<i>Traffic and Travel Information (TTI) – TTI via Transport Protocol Expert Group (TPEG) data-streams – Part 2: Syntax, Semantics and Framing Structure (SSF).</i> Establishes the method of referencing used within a TPEG data-stream to allow a service provider to signal availability of the same service on another bearer channel or similar service data from another service. TPEG is a byte-oriented stream format, which may be carried on almost any digital bearer with an appropriate adaptation layer. TPEG messages are delivered from service providers to end-users, and are used to transfer application data from the database of a service provider to a user's equipment.
SANS 19579:2007/ ISO 19579:2006	<i>Solid mineral fuels – Determination of sulfur by IR spectrometry.</i> Specifies an alternative method of determining the total sulfur content of hard coal, brown coal, and lignite by high-temperature combustion and infrared absorption using commercially available instruments.
SANS 20009:2007/ ECE R9:1997	<i>Uniform provisions concerning the approval of category L2, L4 and L5 vehicles with regard to noise.</i> Applies to vehicles of category L2, L4 and L5 with regard to noise.
SANS 20010:2007/ ECE R10:1997	<i>Uniform provisions concerning the approval of vehicles with regard to electromagnetic compatibility.</i> Applies to the electromagnetic compatibility of M, N and O categories of vehicles as supplied by the vehicle manufacturer and to components or separate electrical/electronic technical units intended for fitment in vehicles.
SANS 20030:2007/ ECE R30 1999	<i>Pneumatic tyres for passenger cars and their trailers.</i> Covers new pneumatic tyres designed primarily, but not only, for vehicles in categories M1, O1 and O2. Does not apply to tyres designed for (a) the equipment for vintage cars, and (b) competitions.
SANS 20054:2007/ ECE E54:2004	<i>Pneumatic tyres for commercial vehicles and their trailers.</i> Covers new pneumatic tyres designed primarily, but not only, for vehicles in categories M ₂ , M ₃ , N and O3 and O4. Does not apply to tyre types identified by speed category symbols corresponding to speeds below 80 km/h.
SANS 20062:2007/ ECE R62:1984	<i>Uniform provisions concerning the approval of power-driven vehicles with handlebars with regard to their protection against unauthorized use.</i> Applies to protective devices designed to prevent the unauthorized use of two-wheeled power-driven vehicles with or without sidecars and of power-driven three-wheeled vehicles equipped with handlebars.
SANS 20064:2007/ ECE R64:1985	<i>Temporary-use spare wheels/tyres.</i> Applies to the approval of motor vehicles of category M1 (passenger cars) equipped with temporary-use spare units.
SANS 20088:2007/ ECE R88:1993	<i>Uniform provisions concerning the approval of retroreflective tyres for two-wheeled vehicles.</i> Applies to fixed retroreflecting devices incorporated in the tyre sidewalls for use on mopeds and bicycles to provide a visual impression of circles of light, thus giving easy recognition of a two-wheeled vehicle.
SANS 21398:2007/ ISO 21398:2007	<i>Hard coal and coke – Guidance to the inspection of mechanical sampling systems.</i> Sets out recommended practices for the inspection of mechanical sampling system. ISO 21398 serves as a reference for conformance with applicable ISO/TC 27 International standards.
SANS 24722:2007/ ISO/IEC TR 24722:2007	<i>Information technology – Biometrics – Multimodal and other multibiometric fusion.</i> Provides descriptions of and analyses of current practices on multimodal and other multibiometric fusion, including (as appropriate) references to more detailed descriptions. Discusses the need for, and possible routes to, standardization to support multibiometric systems.
SANS 50116:2007/ EN 116:1997	<i>Diesel and domestic heating fuels – Determination of cold filter plugging point.</i> Specifies a method for the determination of the cold filter plugging point of diesel and domestic heating fuels using either manual or automated test equipment.
SANS 50818-4:2007/ EN 818-4:1996	<i>Short link chain for lifting purposes – Safety Part 4: Chain slings – Grade 8.</i> Specifies the requirements related to safety, methods of rating and testing of single-, two-, three-, four-leg and endless chain slings assembled by (a) mechanical joining devices, and (b) welding, using short link grade 8 medium tolerance lifting chain that complies with EN 818-2 together with the appropriate range of components of the same grade.
SANS 50885:2007/ EN 885:2004	<i>Chemicals used for treatment of water intended for human consumption – Polyaluminium chloride hydroxide silicate.</i> Applicable to polyaluminium chloride hydroxide silicate used for treatment of water intended for human consumption. Describes the characteristics of polyaluminium chloride hydroxide silicate and specifies the requirements for polyaluminium chloride hydroxide silicate and refers to the corresponding analytical methods. It also gives information on its use in water treatment.
SANS 52662:2007/ EN 12662:1998	<i>Liquid petroleum products – Determination of contamination in middle distillates.</i> Specifies a method for determining contamination as the content of undissolved substances in middle distillates.
SANS 54103:2007/ EN 14103:2003	<i>Fat and oil derivatives – Fatty Acid Methyl Esters (FAME) – Determination of ester and linolenic acid methyl ester contents.</i> Specifies a method for the determination of ester and linolenic acid methyl ester contents.
SANS 54104:2007/ EN 14104:2003	<i>Fat and oil derivatives – Fatty Acid Methyl Esters (FAME) – Determination of acid value.</i> Specifies one titrimetric method for the determination of acid value in light coloured Fatty Acid Methyl Esters, hereinafter referred to as FAME.
SANS 54105:2007/ EN 14105:2003	<i>Fat and oil derivatives – Fatty Acid Methyl Esters (FAME) – Determination of free and total glycerol and mono-, di-, triglyceride content (Reference method)</i> Specifies a method to determine the free glycerol and residual mono-, di and triglyceride contents in fatty acid methyl esters (FAME) intended for addition to mineral oils.

Standard No. and year	Title, scope and purport
SANS 54106:2007/ EN 14106:2003	<i>Fat and oil derivatives – Fatty Acid Methyl Esters (FAME) – Determination of free glycerol content.</i> Specifies a gas chromatographic method for the determination of free glycerol content in Fatty Acids Methyl Esters (FAME) in the range of 0.005% to 0.070%, hereinafter referred to as FAME.
SANS 54107:2007/ EN 14107:2003	<i>Fat and oil derivatives – Fatty Acid Methyl Esters (FAME) – Determination of phosphorus content by inductively coupled plasma (ICP) emission spectrometry.</i> Specifies an inductively coupled plasma (ICP) emission spectrometry method for the determination of phosphorus content between 4 mg/kg and 20 mg/kg in Fatty Acid Methyl Esters, hereinafter referred to as FAME.
SANS 54108:2007/ EN 14108:2003	<i>Fat and oil derivatives – Fatty Acid Methyl Esters (FAME) – Determination of sodium content by atomic absorption spectrometry.</i> Specifies a method for the determination of sodium contents equal to or greater than 1 mg/kg.
SANS 54109:2007/ EN 14109:2003	<i>Fat and oil derivatives – Fatty Acid Methyl Esters (FAME) – Determination of potassium content by atomic absorption spectrometry.</i> Specifies a method for the determination of potassium content equal to or greater than 0.5 mg/kg.
SANS 54110:2007/ EN 14110:2003	<i>Fat and oil derivatives – Fatty Acid Methyl Esters (FAME) – Determination of methanol content.</i> Specifies a method for the determination of methanol content in fatty acid methyl esters (FAME) for use as diesel fuel and domestic heating fuel.
SANS 54111:2007/ EN 14111:2003	<i>Fat and oil derivatives – Fatty Acid Methyl Esters (FAME) – Determination of iodine value.</i> Specifies a titrimetric method for the determination of iodine value in Fatty Acid Methyl Esters, hereinafter referred to as FAME.
SANS 54112:2007/ EN 14112:2003	<i>Fat and oil derivatives – Fatty Acid Methyl Esters (FAME) – Determination of oxidation stability (accelerated oxidation test).</i> Specifies a method for the determination of the oxidation stability of fatty acid esters (FAME) at 110°C.
SANS 60079-30-1:2007/ IEC 60079-30-1:2007	<i>Explosive atmospheres – Part 30-1: Electrical resistance trace heating – General and testing requirements.</i> Provides a comprehensive overview of the essential requirements and testing appropriate to electric surface heating equipment used in explosive gas atmospheres.
SANS 60079-30-2:2007/ IEC 60079-30-2:2007	<i>Explosive atmospheres – Part 30-2: Electrical resistance trace heating – Application guide for design, installation and maintenance.</i> Provides guidance for the application of electrical resistance trace heating systems in areas where explosive gas atmospheres may be present, with the exception of those classified as zone 0.
SANS 60839-1-1:2007/ IEC 60839-1-1:1988	<i>Alarm systems – Part 1: General requirements – Section One: General.</i> Specifies general requirements for the design, installation, commissioning, operation, maintenance test and records of manual and automatic alarm systems employed for the protection of persons, property and the environment.
SANS 60839-1-2:2007/ IEC 60839-1-2:1987	<i>Alarm systems – Part 1: General requirements – Section Two: Power units, test methods and performance criteria.</i> Specifies the requirements, test methods and performance criteria for power supply units for alarm systems. The specific requirements for particular system components are specified in separate standards.
SANS 60839-1-3:2007/ IEC 60839-1-3:1988	<i>Alarm systems – Part 1: General requirements – Section Three: Environmental testing.</i> Specifies environmental test methods to be used for testing system components of an alarm system.
SANS 60839-2-2:2007/ IEC 60839-2-2:1987	<i>Alarm systems – Part 2: Requirements for intruder alarm systems – Section Two: Requirements for detectors – General.</i> Specifies the general requirements for detectors for use in intruder alarm systems installed in buildings.
SANS 60947-5-9:2007/ IEC 60947-5-9:2006	<i>Low-voltage switchgear and controlgear – Part 5-9: Control circuit devices and switching elements – Flow rate switches.</i> Applies to flow rate switches that sense the rate of flow of a gas, a liquid or a granular solid. These switches change their output state if a pre-set value for the speed of flow is exceeded.
SANS 61241-11:2007/ IEC 61241-11:2005	<i>Electrical apparatus for use in the presence of combustible dust – Part 11: Protection by intrinsic safety "iD".</i> Specifies requirements for the construction and testing of intrinsically safe apparatus intended for use in potentially explosive dust cloud or dust layer environments and for associated apparatus that is intended for connection to intrinsically safe circuits which enter such environments.
SANS 61543:2007/ IEC 61543:1995	<i>Residual current-operated protective devices (RCDs) for household and similar use – Electromagnetic compatibility.</i> Intended to ensure electromagnetic compatibility (EMC) of devices providing residual current protection, for rated voltages not exceeding 440 V a.c., intended principally for protection of persons against shock hazards.
SANS 62271-3:2007/ IEC 62271-3:2006	<i>High-voltage switchgear and controlgear – Part 3: Digital interfaces based on IEC 61850.</i> Applicable to high-voltage switchgear and controlgear and assemblies thereof and specifies equipment for digital communication with other parts of the substation and its impact on testing. This equipment for digital communication, replacing metal parallel wiring, can be integrated into the high-voltage switchgear, controlgear, and assemblies thereof, or can be an external equipment in order to provide compliance for existing switchgear and controlgear and assemblies thereof with the standards of the IEC 61850 series.
SANS 62271-108:2007/ IEC 62271-108:2005	<i>High-voltage switchgear and controlgear – Part 108: High-voltage alternating current disconnecting circuit-breakers for rated voltages of 72.5 kV and above.</i> Applies to high-voltage alternating current disconnecting circuit-breakers for operation at frequencies of 50 Hz and 60 Hz on systems having voltages of 72.5 kV and above.
SANS 62271-111:2007/ IEC 62271-111:2005	<i>High-voltage switchgear and controlgear – Part 111: Overhead, pad-mounted, dry vault, and submersible automatic circuit reclosers and fault interrupters for alternating current systems up to 38 kV.</i> Applies to all overhead, pad-mounted, dry vault, and submersible single- or multipole alternating current automatic circuit reclosers and fault interrupters for rated maximum voltages above 1 000 V and up to 38 kV.

Standard No. and year	Title, scope and purport
SANS 62271-207:2007/ IEC 62271-207:2007	<i>High-voltage switchgear and controlgear – Part 207: Seismic qualification for gas-insulated switchgear assemblies for rated voltages above 52 kV.</i> Applies to switchgear assemblies for alternating current of rated voltages above 52 kV for indoor and outdoor installations, including their supporting structure rigidly connected to the ground, and does not cover the seismic qualification of live tank circuit breakers. Switchgear assemblies do have typically low centres of gravity, e.g. gas-insulated switchgear (GIS).
SANS 62271-209:2007/ IEC 62271-209:2007	<i>High-voltage switchgear and controlgear – Part 209: Cable connections for gas-insulated metal-enclosed switchgear for rated voltages above 52 kV – Fluid-filled and extruded insulation cables – Fluid-filled and dry-type cable-terminations.</i> Covers the connection assembly of fluid-filled and extruded cables to gas-insulated metal-enclosed switchgear (GIS), in single- or three-phase arrangements where the cable-terminations are fluid-filled or dry type and there is a separating insulating barrier between the cable insulation and the gas insulation of the switchgear.
SANS 62271-308:2007/ IEC 62271-308:2002	<i>High-voltage switchgear and controlgear – Part 308: Guide for asymmetrical short-circuit breaking test duty T100a.</i> Contains information and test procedures for type testing of circuit-breakers relevant to short-circuit breaking performance during asymmetrical test duty (T100a) as required by IEC 62271-100 (published in South Africa as an identical adoption under the designation SANS 62271-100).

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 16:2007/ ISO/IEC 10116:2006	<i>Information technology – Security techniques – Modes of operation for an n-bit block cipher.</i> Establishes five modes of operation for applications of an n-bit block cipher. The modes provide protection of data confidentiality.
SANS 19:2007 (Ed. 1.1)	<i>The inspection, testing and examination of mobile cranes. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 33:2007 (Ed. 1.2)	<i>Equipment for use in industrial rope access work. Consolidated edition incorporating amendment No. 2.</i> Amended to update a referenced standard.
SANS 116:2007 (Ed. 2.1)	<i>Liquid antiseptics containing substituted phenolics. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update referenced standards, to change bacterial culture collections from SABS TCC to ATCC, to delete information on the obtainability of Lecithin polysorbate emulsion (footnote to 5.2.3.3.1) and to update information on the obtainability of test organisms (footnote to 5.2.4), to change number of organisms from 6 log 10 to 4 log 10, and to delete reference to national legislation in the text and to the certification mark.
SANS 151:2007 (Ed. 6.1)	<i>Fixed electric storage water heaters. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to exclude outdoor electric storage water heaters from the scope, to update referenced standards and correct cross-references, to change the requirement for corrosion protection of the casing, to change a requirement in the test for standing loss, to delete the requirements and test for thermal cut-out, and to change language requirements for marking and operating instructions.
SANS 164-0:2007 (Ed. 1.1)	<i>Plug and socket-outlet systems for household and similar purposes for use in South Africa – Part 0: General and safety requirements. Consolidated edition incorporating amendment No. 1.</i> Amended to include requirements for incorporated surge protection devices.
SANS 164-1:2007 (Ed. 5.1)	<i>Plug and socket-outlet systems for household and similar purposes for use in South Africa – Part 1: Conventional system, 16 A 250 V a.c.. Consolidated edition incorporating amendment No. 1.</i> Amended to include maximum lengths of sleeves on plug pins, to clarify a drawing, and to change a dimension on the gauge in annex D.
SANS 164-3:2007 (Ed. 1.1)	<i>Plug and socket-outlet systems for household and similar purposes for use in South Africa – Part 3: Conventional system, 6 A 250 V a.c.. Consolidated edition incorporating amendment No. 1.</i> Amended to include maximum lengths of sleeves on plug pins, to clarify a drawing, and to change dimensions on the gauges in annexes B and C.
SANS 164-4:2007 (Ed. 1.1)	<i>Plug and socket-outlet systems for household and similar purposes for use in South Africa – Part 4: Dedicated system, 16 A 250 V a.c.. Consolidated edition incorporating amendment No. 1.</i> Amended to clarify definitions and drawings, and to include maximum lengths of sleeves on plug pins.
SANS 164-5:2007 (Ed. 1.1)	<i>Plug and socket-outlet systems for household and similar purposes for use in South Africa – Part 5: Two-pole, non-rewirable plugs, 2.5 A 250 V a.c., with cord, for connection of class II equipment. Consolidated edition incorporating amendment No. 1.</i> Amended to change the title.
SANS 248:2007 (Ed. 3.1)	<i>Bituminous damp-proof courses. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards and to remove reference to the standardization mark.
SANS 298:2007 (Ed. 3.1)	<i>Mastic asphalt for damp-proof courses and tanking. 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 remove reference to the standardization mark scheme.

Standard No. and year	Title, scope and purport
SANS 311:2007	<i>Category L motor vehicles.</i> Specifies the requirements for category L motor vehicles. Applies in respect of incomplete vehicles supplied by one manufacturer to another for further manufacture. Applies to vehicles after completion of further manufacture by the latter manufacturer. Does not apply to (a) vehicles with a maximum design speed not exceeding 6 km/h, (b) vehicles intended for use by persons with disabilities, (c) vehicles intended for pedestrian control, (d) vehicles intended for use in competitions, on roads or in off-road conditions, (e) tractors and machines used for agricultural or similar purposes, and (f) vehicles designed primarily for off-road leisure use and cycles that are equipped with an auxiliary electric motor that has a maximum continuous rated power of 0,25 kW, of which the output is progressively reduced and finally cut off as the vehicle reaches a speed of 25 km/h, or sooner.
SANS 416:2007 (Ed. 2.5)	<i>Chemical resistant gloves. Consolidated edition incorporating amendment No. 5.</i> Amended to change the designation of SABS standards to SANS standards and to update the referenced standards.
SANS 468:2007 (Ed. 3.1)	<i>Breaking strength and extension at break of textile fabrics: narrow strip method using constant rate of travers.</i> Consolidated edition incorporating amendment No. 1. Amended to update referenced standards.
SANSS 523:2007 (Ed. 2.2)	<i>Limes for use in building. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards and to move reference to national legislation to the foreword.
SANS 555:2007 (SABS 555:2002)	<i>Unused and reclaimed mineral insulating oils for transformers and switchgear.</i> Specifies requirements for unused and reclaimed oxidation inhibited and uninhibited mineral insulating oils, as derived, for use in transformers, switchgear and similar electrical equipment in which oil is required as an insulant or for heat transfer. This standard does not cover mineral insulating oils used as impregnates in cables or capacitors nor hydrocarbon insulating liquids obtained by synthesis.
SANS 643:2007 (Ed. 2.1)	<i>Disinfectants based on stabilized inorganic chlorine compounds. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update referenced standards, to update the definition of "acceptable", to change the requirement for bacterial efficacy (4.2), to change number of organisms from 8 log 10 to 5 log 10, to change bacterial culture collections from SABS TCC to ATCC and to update information regarding the obtainability of test organisms (footnote to 5.2.4) from the SABS, to update the requirement regarding the use of disinfectant in the marking subclause (6.2), and to delete reference to national legislation in the text and to the certification mark.
SANS 821:2007 (Ed. 3.1)	<i>WC flushing cisterns. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards and to add a cross reference.
SANS 822:2007 (Ed. 1.2)	<i>Sizes of paper and envelopes. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 1006:2007 (Ed. 1.2)	<i>Plastic floats for ball valves. Consolidated edition incorporating amendment No. 2.</i> Amended to change the title, update the definition of acceptable, update referenced standards, to change the requirements for shape and nominal diameter of the float and the lot and sample sizes.
SANS 1018:2007 (Ed. 1.3)	<i>Electric cables for motor vehicles – Ignition cables for motor vehicles. Consolidated edition incorporating amendment No. 3.</i> Amended to change the designation of SABS standards to SANS standards, to delete a reference to the certification mark, to update referenced standards, and to add an annex that provides a test for the permanent set of rubber electric cable dielectric and sheathing.
SANS 1092:2007 (Ed. 3.1)	<i>Breaking strength and extension at break of textile fabrics – Strip method using constant rate of load. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 1115:2007 (Ed. 1.2)	<i>Cast iron gratings for gullies and stormwater drains. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards and to update the definition of "acceptable".
SANS 1186-1:2007 (Ed. 3.4)	<i>Symbolic safety signs – Part 1: Standard signs and general requirements. Consolidated edition incorporating amendment No. 4.</i> Amended to delete references to the certification mark scheme.
SANS 1195:2007 (Ed. 1.1)	<i>Busbars. 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 referenced standards, to number the figure on the curvature of a rounded-edge busbar (figure 3), to modify the table on volume resistivity and conductivity (table 17), to delete a footnote regarding the status of appendices, and to add a bibliography.
SANS 1235:2007 (Ed. 1.2)	<i>Borehole cylinders. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable", to renumber a footnote and to update referenced standards.
SANS 1243:2007 (SABS 1243:2003)	<i>Pressurized paraffin-fuelled appliances.</i> Covers the requirements for the construction, operation and safe use of pressurized paraffin-fuelled appliances, including (but not limited to) stoves, and space heaters. It does not cover the packaging or handling of the paraffin.
SANS 1263-2:2007 (Ed. 1.1)	<i>Safety and security glazing materials for buildings – Part 2: Burglar-resistant and vandal-resistant glazing materials. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to remove reference to the standardization mark scheme, and to update referenced standards.
SANS 1263-3:2007 (Ed. 1.2)	<i>Safety and security glazing materials for buildings – Part 3: Bullet-resistant glazing materials. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, to remove reference to the mark scheme and to update the referenced standards.

Standard No. and year	Title, scope and purport
SANS 1329-3:2007 (Ed. 2.3)	<i>Retro-reflective and fluorescent warning signs for road vehicles – Part 3: Signs other than triangles, chevron signs and abnormal load vehicle signs. Consolidated edition incorporating amendment No. 3.</i> Amended to change the designation from SABS to SANS, to add wording to the national foreword regarding the footnote to the scope, to update referenced standards, and to delete reference to the SABS in the text.
SANS 1367-1:2007 (SABS 1367-1:1982)	<i>Horticultural mineral oils for use on agricultural crops – Part 1: Base oils.</i> Covers horticultural mineral base oils that are used in the formulation of insecticidal emulsifiable concentrates for use against pests on agricultural crops.
SANS 1367-2:2007 (SABS 1367-2:1982)	<i>Horticultural mineral oils for use on agricultural crops – Part 2: Monophase emulsifiable concentrates.</i> Covers monophase emulsifiable concentrates of horticultural mineral oils for use on agricultural crops, and that are registered under the current relevant national legislation.
SANS 1411-1:2007 (Ed. 2.1)	<i>Materials of insulated electric cables and flexible cords – Part 1: Conductors. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 1411-4:2007 (Ed. 2.1)	<i>Materials of insulated electric cables and flexible cords – Part 4: Cross-linked polyethylene (XLPE). Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 1411-6:2007 (Ed. 2.1)	<i>Materials of insulated electric cables and flexible cords – Part 6: Armour. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 1447-2:2007 (Ed. 2.1)	<i>Braking (motor and towed vehicles, designed for low speed or for use off public roads) – Part 2: Low speed trailers. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 1456-1:2007 (Ed. 1.2)	<i>Collapsible delivery hose for fire fighting purposes – Part 1: General requirements and methods of test. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards and to update the definition of "acceptable".
SANS 1456-2:2007 (Ed. 1.3)	<i>Collapsible delivery hose for fire fighting purposes – Part 2: Percolating fire hose. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, to change a cross reference and to update referenced standards.
SANS 1456-3:2007 (Ed. 1.2)	<i>Collapsible delivery hose for fire fighting purposes – Part 3: Uncoated non-percolating fire hose. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, to change a cross reference and to update the referenced standards.
SANS 1456-4:2007 (Ed. 1.3)	<i>Collapsible delivery hose for fire fighting purposes – Part 4: Coated non-percolating fire hose. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, to change a cross reference and to update referenced standards.
SANS 1456-5:2007 (Ed. 1.3)	<i>Collapsible delivery hose for fire fighting purposes – Part 5: Oil-resistant and chemical-resistant fire hose. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, to change a cross reference and to update referenced standards.
SANS 1464-22:2007 (Ed. 1.3)	<i>Safety of luminaires – Part 22: Luminaires for emergency lighting. Consolidated edition incorporating amendment No. 3.</i> Amended to include requirements for battery case temperature (tc), to add requirements for battery protection against polarity reversal, and to modify requirements for changeover operation and the bibliography.
SANS 1507-1:2007 (Ed. 1.1)	<i>Electric cables with extruded solid dielectric insulation for fixed installations (300/500 V to 1 900/3 300 V) – Part 1: General. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards and to update referenced standards, to modify the definition of type test, to update marking requirements to align with international standards, and to update the bibliography.
SANS 1507-2:2007 (Ed. 1.1)	<i>Electric cables with extruded solid dielectric insulation for fixed installations (300/500 V to 1 900/3 300 V) – Part 2: Wiring cables. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update referenced standards, and to delete reference to the standardization mark scheme.
SANS 1507-3:2007 (Ed. 1.1)	<i>Electric cables with extruded solid dielectric insulation for fixed installations (300/500 V to 1 900/3 300 V) – Part 3: PVC Distribution cables. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update referenced standards and a cross-reference to SANS 1507-1, and to delete reference to the standardization mark scheme.
SANS 1507-4:2007 (Ed. 1.1)	<i>Electric cables with extruded solid dielectric insulation for fixed installations (300/500 V to 1 900/3 300 V) Part 4: XLPE Distribution cables. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update referenced standards and a cross-reference in 5.1, to correct a cross-reference to SANS 1507-1, and to delete reference to the standardization mark scheme.
SANS 1507-5:2007 (Ed. 1.1)	<i>Electric cables with extruded solid dielectric insulation for fixed installations (300/500 V to 1 900/3 300 V) – Part 5: Halogen-free distribution cables. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update referenced standards and a cross-reference to SANS 1507-1, and to delete reference to the standardization mark scheme.
SANS 1507-6:2007 (Ed. 1.2)	<i>Electric cables with extruded solid dielectric insulation for fixed installations (300/500 V to 1 900/3 300 V) – Part 6: Service cables. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards

Standard No. and year	Title, scope and purport
SANS 1551-2:2007 (Ed. 1.2)	<i>Check valves (flanged and wafer types) – Part 2: Class series. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable" and to update referenced standards.
SANS 1594:2007 (Ed. 2.1)	<i>Manually operated chain blocks. Consolidated edition incorporating amendment No. 1.</i> Amended to change performance requirements of the hook (4.6.2), to add test apparatus to the subclause on test apparatus (5.2), to add a requirement to the size of sample (5.4.2), to delete a step in the proof load and braking test (5.4.4), to add a step to the endurance test (5.4.5), to add requirements in the clause on test certificate (clause 6), and to delete the clause on documentation (clause 8) and to replace it with a clause on documentation.
SANS 1636:2007 (Ed. 2.1)	<i>Manually operated chain lever hoists. Consolidated edition incorporating amendment No. 1.</i> Amended to add requirements for the free-end chain stop (4.2.8), to add test apparatus in the subclause on test apparatus (5.2), to replace the terms "hand chain" and "chain block" with the terms "lever arm" and "lever hoist", respectively, in the proof load and braking test (5.4.4.1), to delete a step in the proof load and braking test (5.4.4.4), to add steps to the endurance test (5.4.5), to add a free-end chain stop test (5.4.7.3), to change and to add requirements for the information to be included in the test certificate (clause 6), and to delete the clause on operator's manual (clause 8) and to replace it with a clause on documentation.
SANS 1674:2007 (Ed. 1.1)	<i>Disinfectants based on iodophors. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update referenced standards, to update the definition of "acceptable", to change the requirement for bacterial efficacy (4.2), to change the temperature for autoclaving, to change number of organisms from 8 log 10 and 6 log 10 to 5 log 10, to change bacterial culture collections from SABS TCC to ATCC, to update information regarding the obtainability of test organisms from the SABS, and to delete reference to national legislation in the text and to the certification mark.
SANS 1718-7:2007 (SABS 1718-7:2001)	<i>Gaming equipment – Part 7: Tokens.</i> Specifies constructional and design requirements for tokens (used as betting and wagering media in gaming equipment), to be used on licensed premises, as specified by the licensing authority.
SANS 1726-1:2003/ EN 1726-1:1998	<i>Safety of industrial trucks – Self-propelled trucks up to and including 10 000 kg capacity and industrial tractors with a drawbar pull up to and including 20 000 N – Part 1: General requirements. EN amendment No. 1.</i> Amended to change the scope, to change and to add certain requirements (clauses 4 and 5), to add new information for use (clause 7), to add a new annex on requirements and test procedure for seat belt (annex O), and to change the annex on relationship of this document with EC Directives (annex ZA).
SANS 1795-0 (Ed. 2.1)	<i>Road traffic law enforcement systems – Part 0: General requirements. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update referenced standards, to add a definition for "type approval test", to delete reference to SANAS in the text, to change the title of annex B, to delete certain references to "speed", and to add a reference to the bibliography.
SANS 1795-1:2007 (Ed. 1.1)	<i>Road traffic law enforcement systems – Part 1: Laser speed measuring equipment. Consolidated edition incorporating amendment No. 1.</i> Amended to change the title of the standard, to change the designation of SABS standards to SANS standards, to add a clause on type approval (clause 11), to delete an annex regarding notes to purchasers and annex C as a header for the bibliography, and to update the bibliography.
SANS 1795-2:2007 (Ed. 1.1)	<i>Road traffic law enforcement systems – Part 2: Radar speed measuring equipment. Consolidated edition incorporating amendment No. 1.</i> Amended to change the title of the standard, to change the designation of SABS standards to SANS standards, to delete reference to national legislation in the text, to correct title in 5(d) to be consistent with other parts of this standard, to add a clause on type approval (clause 11), to delete an annex regarding notes to purchasers and annex C as a header for the bibliography, and to update the bibliography.
SANS 1795-3:2007 (Ed. 1.1)	<i>Road traffic law enforcement systems – Part 3: Distance-over-time speed measuring equipment (fixed distance/variable time). Consolidated edition incorporating amendment No. 1.</i> Amended to change the title of the standard, to change the designation of SABS standards to SANS standards, to add a clause on type approval (clause 11), to delete an annex regarding notes to purchasers and annex C as a header for the bibliography, and to update the bibliography.
SANS 1795-4:2007 (Ed. 1.1)	<i>Road traffic law enforcement systems – Part 4: Distance-over-time speed measuring equipment (variable distance/variable time). Consolidated edition incorporating amendment No. 1.</i> Amended to change the title of the standard, to change the designation of SABS standards to SANS standards, to add a clause on type approval (clause 11), to delete an annex regarding notes to purchasers and annex C as a header for the bibliography, and to update the bibliography.
SANS 1795-5:2007 (Ed. 1.1)	<i>Road traffic law enforcement systems – Part 5: Data capturing and recording devices for road traffic law enforcement. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to delete reference to national legislation in the text, to update information regarding the test method and the measuring procedure for the determination of vehicle speed using speed measuring equipment in annex A, and to update the bibliography.
SANS 1905:2007	<i>Hydraulic brake and clutch fluid (DOT 3 and DOT 4).</i> Covers fluids of the non-petroleum and the non-silicone types suitable for use in automotive hydraulic brake and clutch systems fitted with rubber cups and seals made from natural rubber (NR), styrene-butadiene rubber (SBR), or a terpolymer of ethylene, propylene and a diene (EPDM).
SANS 3310-1/ ISO 3310-1:2000	<i>Test sieves – Technical requirements and testing – Part 1: Test sieves of metal wire cloth. National amendment No. 1.</i> Amended to adopt ISO tech. corr. 1 and to change the designation from SABS to SANS. <i>ISO corrigendum No. 1.</i> Corrected to replace the standard deviation equations on pages 12 and 13 in annex A and to revise the note in table B.1.
SANS 3251:2007/ ISO 3251:2003 (SABS ISO 3251:1993)	<i>Paints, varnishes and plastics – Determination of non-volatile-matter content.</i> Specifies a test method for determining the non-volatile matter content by mass of paints and varnishes, binders for paints and varnishes, polymer dispersions and condensation resins such as phenolic resins.

Standard No. and year	Title, scope and purport
SANS 4628-6:2007/ ISO 4628-6:2007 (SABS ISO 4628-6:1990)	<i>Paints and varnishes – Evaluation of degradation of coatings – Designation of quantity and size of defects, and of intensity of uniform changes in appearance – Part 6: Assessment of degree of chalking by tape method.</i> Provides pictorial reference standards for designating the degree of chalking of paint coatings. Also describes a method by which the degree of chalking is rated.
SANS 5176:2007 (Ed. 2.1)	<i>Textile fabrics: tearing strength of selvages. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 5414:2007 (Ed. 3.1)	<i>Tensile strength and extension at break: modified (dumb-bell) strip method. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 5420:2007 (Ed. 3.1)	<i>Gripping strength of tags on textile shoe laces. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 5421:2007 (Ed. 3.1)	<i>Slip resistance of textile shoe laces and similar articles. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 5956:2007 (SABS SM, 956:1990)	<i>Acid gas evolved during combustion of cable materials.</i> Specifies two methods for determining the amount of hydrogen chloride gas evolved during the combustion of cable materials.
SANS 6194:2007 (Ed. 2.1)	<i>Slippage resistance of yarns at standard seams in fabrics. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 6316:2007 (Ed. 1.1)	<i>Detergents and cleaning agents – Corrosiveness to steel and aluminium. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation from SABS to SANS with no technical changes.
SANS 6504-3:2007/ ISO 6504-3:2006 (SABS ISO 6504-3:1998)	<i>Paints and varnishes – Determination of hiding power – Part 3: Determination of contrast ratio of light-coloured paints at a fixed spreading rate.</i> Specifies methods for determining the opacity given by paint films of white or light colours of tristimulus value Y greater than 25, applied at a spreading rate of 20 m ² /L to an agreed black and white chart or to colourless transparent polyester foil.
SANS 9294:2007/ ISO/IEC TR 9294:2005 (SABS ISO/IEC TR 9294:1990)	<i>Information technology – Guidelines for the management of software documentation.</i> Offers guidance on the management of software documentation to managers responsible for the production of software or software-based products. The guidance is intended to assist managers in ensuring that effective documentation is produced in their organization. All types of software documentation are covered, relating to all stages of the software life cycle.
SANS 10052:2007 (Ed. 1.2)	<i>The construction of strongrooms. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards and to update the definition of "acceptable" and referenced standards
SANS 10070:2007 (Ed. 3.2)	<i>The installation of resilient thermoplastic and similar flexible floor covering materials. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 10111-2-1:2007/ ISO 1101:2004 (SABS 0111-2-1:1993)	<i>Engineering drawing – Part 2: Geometrical tolerancing – Section 1: Tolerancing of form, orientation, location and run-out - Generalities, definitions, symbols, indications on drawings.</i> Gives requirements for the geometrical tolerancing of workpieces. It represents the initial basis and defines the fundamentals for geometrical tolerancing.
SANS 10198-8:2007 (Ed. 2.1)	<i>The selection, handling and installation of electric power cables of rating not exceeding 33 kV – Part 8: Cable laying and installation. Consolidated edition incorporating amendment No. 1.</i> Amended to update a referenced standard.
SANS 10221:2007 (Ed. 1.2)	<i>The testing of geotextiles. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards and to update a referenced standard.
SANS 10268-1:2007 (Ed. 1.2)	<i>Welding of thermoplastics – Welding processes – Part 1: Heated-tool welding. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 10368:2007 (Ed. 1.1)	<i>Transport of low-hazard goods in bulk – Emergency information for road vehicles. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 11378-2:2001/ ISO 11378-2:2001	<i>Textile floor coverings – Laboratory soiling tests – Part 2: Drum test. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 13746:2000/ ISO 13746:2000	<i>Textile floor coverings – Guidelines for installation and use on stairs. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 14102:1995/ ISO/IEC 14102:1995	<i>Information technology – Guideline for the evaluation and selection of CASE tools. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 14471:1999/ ISO/IEC TR 14471:1999	<i>Information technology – Software engineering – Guidelines for the adoption of CASE tools. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 19005-1:2006/ ISO 19005-1:2005)	<i>Document management – Electronic document file format for long-term preservation – Part 1: Use of PDF 1.4 (PDF/A-1). ISO corrigendum No. 1.</i> Amended to correct the mapping of PDF's subject and keywords to XMP, and to make the necessary specific modifications to the text.
SANS 19121:2000 (ISO/TR 19121:2000)	<i>Geographic information – Imagery and gridded data. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.

Standard No. and year	Title, scope and purport
SANS 20003:2005/ ECE R3:2005	<i>Uniform provisions concerning the approval of retro-reflecting devices for power-driven vehicles and their trailers. ECE amendment No. 1.</i> Amended to change the scope, to insert a new footnote to the scope, to change and to renumber the footnote regarding the distinguishing number of the country which has granted approval in the clause on approval (clause 5), and to renumber the remaining footnotes. <i>National amendment No. 1.</i> Amended to add information to the national foreword that relates to the colour of side retro-reflectors.
SANS 20005:1992/ ECE R5:1992	<i>Uniform provisions concerning the approval of power-driven vehicle's sealed-beam headlamps (SB) emitting a European asymmetrical passing beam or a driving beam or both. ECE amendment No. 3.</i> Amended change the requirements for colour (clause 9), to delete the clause on remark concerning colour (clause 10), to renumber the remaining clauses (clause 11 to clause 17), to change the annex on communication (annex 2), to change the annex on verification of conformity of production of headlamps ("sealed beam") emitting an asymmetrical passing beam or a driving beam or both (annex 3), and to change the annex on minimum requirements for sampling by an inspector (annex 7). <i>ECE amendment No. 4.</i> Amended to change the title, to change the scope, to change the footnote regarding the distinguishing number of the country which has granted approval in the clause on approval (clause 5), and to renumber the remaining footnotes. <i>National amendment No. 2.</i> Amended to add information that relates to the compulsory introduction of the standard.
SANS 20009:2007/ ECE R9:1997	<i>Uniform provisions concerning the approval of category L2, L4 and L5 vehicles with regard to noise. ECE amendment No. 1.</i> Amended to change the title, to replace the words "silencing system(s)" with "exhaust or silencing system(s)" throughout the text, to change and to add certain definitions, to change requirements on markings (4.1), to change a requirement (5.2) and a footnote to 5.4.1 which gives distinguishing numbers of countries that have granted approval, to change requirements on specifications (6.2.1.3), conformity of production (clause 8), and transitional provisions (clause 11), to change requirements in the annex on communication (annex 1), to change an approval number in the annex on arrangement of approval marks (annex 2), to change requirements in the annex on methods and instruments for measuring the noise made by motor vehicles (annex 3), and to add an annex on specifications for test site (annex 4). <i>ECE corrigendum to amendment No. 1.</i> Corrected to change requirements in the clause on transitional provisions (clause 11). <i>ECE amendment No. 2.</i> Amended to change the scope to include the vehicle categories L2, L4 and L5.
SANS 20010:2007/ ECE R10:1997	<i>Uniform provisions concerning the approval of vehicles with regard to electromagnetic compatibility. ECE amendment No. 1.</i> Amended to add vehicles of category L in the scope, to change footnote 1 to 5.3.1, which gives distinguishing numbers of countries that have granted approval and a requirement on markings (5.3.2), to change requirements in the clause on transitional provisions (clause 12), to change, add and renumber requirements in the annex on method of measuring broadband electromagnetic disturbances generated by vehicles (annex 4) and method of testing immunity to electromagnetic radiation (annex 6), and to change references in the annex on method of measuring narrowband electromagnetic disturbances generated by vehicles (annex 5). <i>ECE corrigendum No. 1.</i> Corrected to change a definition for reference antenna, footnote 1 to 5.3.1, which gives distinguishing numbers of countries that have granted approval, to change the title of figure 2 in the annex on method of measuring broadband electromagnetic disturbances generated by vehicles (annex 4 - appendix 1), to change and add requirements in the annex on method for measuring broadband electromagnetic disturbances generated by electrical/electronic sub-assemblies (annex 7, 5.2.1 and annex 7 - appendix 1, figure 2) and to add a requirement in the annex on method of testing immunity of electrical/electronic sub-assemblies to electromagnetic radiation (annex 9). <i>ECE amendment No. 2.</i> Uniform provisions concerning the approval of power-driven vehicles with handlebars with regard to their protection against unauthorized use
SANS 20030:2007/ ECE R30:1999	<i>Pneumatic tyres for passenger cars and their trailers. ECE amendment No. 1.</i> Amended to change the scope, to add text in the definition for maximum load rating (2.31.6), to add requirements for markings (3.1.4.1), application for approval (4.1.15), approval (5.3.1), and load/speed performance test (6.2.1.1 and 6.2.2.1), to add requirements in the annex on procedure for load/speed performance test (annex 7), and to change a footnote to the subclause on approval (5.4.1) which gives distinguishing numbers of countries that have granted approval. <i>ECE corrigendum 1 to ECE amendment No. 1.</i> Corrected to change a reference in the annex on procedure for load/speed performance tests (annex 7). <i>ECE amendment No. 2.</i> Amended to change requirements for markings, load/speed performance test (6.2.2.1), to change a footnote to the subclause on approval (5.4.1) which gives distinguishing numbers of countries that have granted approval, and to change requirements in the annex on procedure for load/speed performance test (annex 7). <i>ECE amendment No. 3.</i> Amended to add requirements in the subclause on markings, to change a footnote to the subclause on approval (5.4.1) which gives distinguishing numbers of countries that have granted approval, and to add requirements in the annex on procedure for load/speed performance test (annex 7). <i>ECE corrigendum 1 to ECE amendment No. 3.</i> Corrected to change a requirement in the subclause on markings (3.1.11.1). <i>ECE amendment No. 4.</i> Amended to change, to delete and to add certain definitions, a requirement in the subclause on markings (3.1.10), and to change requirements in the annex on arrangement of tyre markings (annex 3). <i>ECE amendment No. 5.</i> Amended to change and to add certain definitions (clause 2), to change requirements for markings (clause 3), application for approval (clause 4) and requirements (clause 6), to change an entry in the annex on communication (annex 1), and to change text in the annex on procedure for load/speed performance test (annex 7).
SANS 20031:1992/ ECE R31:1992	<i>Uniform provisions concerning the approval of power-driven vehicle's sealed-beam headlamps (SB) emitting a European asymmetrical passing beam or a driving beam or both. ECE amendment No. 3.</i> Amended to change and delete requirements for colour (clause 9), to renumber the remaining footnote, to change the annex on communication (annex 1, item 1), to change the annex on minimum requirements for conformity of production control procedures (annex 5), and to change the annex on minimum requirements for sampling by an inspector (annex 8). <i>ECE amendment No. 4.</i> Amended to change the title, to change the scope, to change the footnote regarding the distinguishing number of the country which has granted approval in the clause on approval (clause 5), and to renumber the remaining footnotes. <i>National amendment No. 2.</i> Amended to add information that relates to the compulsory introduction of the standard.

Standard No. and year	Title, scope and purport
SANS 20044:1998/ ECE R44:1998	<p><i>Uniform provisions concerning the approval of restraining devices for child occupants of power-driven vehicles ("child restraint system"). ECE amendment No. 1.</i> Amended to add and to renumber requirements in the subclause on markings (4.5), to change the footnote regarding the distinguishing number of the country which has granted approval in the clause on approval (clause 5) and to add a requirement in the subclause on transitional provisions (16.8). <i>ECE amendment No. 2.</i> Amended to add requirements in a subclause on markings (4.7 and 4.8), to change the footnote regarding the distinguishing number of the country which has granted approval and text in the clause on approval (clause 5), to change and add requirements on general specifications (clause 6), particular specifications (clause 7) and description of test (clause 8), to correct requirements of corr. 4 to the 03 series on conformity of production (clause 11), to add requirements on instructions (clause 14), to change and add requirements in the annex on standard safety-belt (annex 13), explanatory notes (annex 15), control of conformity of production (annex 16), method of defining head impact area of devices with backrests and for rearward-facing devices defining the minimum size of side wings (annex 18), dynamic crash test installation (annex 21) and lower torso body block test (annex 22). <i>ECE amendment No. 3.</i> Amended to change the footnote regarding the distinguishing number of the country which has granted approval and text in the clause on approval (clause 5) and to change a requirement in the subclause on provisions applicable to individual components of the restraint (7.2.1.8.2.1). <i>ECE amendment No. 4.</i> Amended to change and add definitions, to add requirements in the subclause on markings (4.9), to change the footnote regarding the distinguishing number of the country which has granted approval and text in the clause on approval (clause 5), to change, add and renumber requirements on general specifications (clause 6), to add requirements and a footnote on particular specifications (clause 7), to add requirements and to renumber a footnote in the subclause on description of tests (8.1.3.7.8 and 8.1.3.7.9), to add requirements on instructions (clause 14), to change and add requirements in the annex on description of trolley (annex 6), to add a requirement in the annex on description on an 18 month manikin (annex 8, appendix 3), to change a footnote in the annex on additional anchorages required for attaching child restraints in the semi-universal category to motor vehicles (annex 11), and to change and to add requirements and a footnote in the annex on dynamic crash test installation (annex 21). <i>ECE corrigendum No. 1 to ECE amendment No. 4.</i> Corrected to change the definition for classes of child restraint systems, and to change text in the subclause on general specifications (6.1.3). <i>ECE amendment No. 5.</i> Amended to add and change definitions, to change, delete and renumber requirements on markings (clause 4), to add a requirement and to change a reference in the subclause on general specifications (6.1.3.7 and 6.1.6), to add, correct and change requirements on particular specifications (clause 7), to add and change requirements on description of tests (8.1.3.7.8 and 8.2.1.1.2), to change text on test report (9.1), to correct text in an annex on arrangement and use of anchorages on the test trolley (annex 6, appendix 3), to change requirements in the annex on standard safety-belt (annex 13), test of energy absorbing material (annex 17) and method of defining head impact area of devices with backrests and for rearward-facing devices defining the minimum size of side wings (annex 18). <i>ECE amendment No. 6.</i> Amended to change and add requirements on general specifications (6.2.4.1) and particular specifications (7.1.4.1.9), description of tests (clause 8), and to add a note in the annex on dynamic crash test installation (annex 21). <i>ECE amendment No. 7.</i> Amended to change the contents list, to add definitions, to change requirements on application for approval (3.1 and 3.4), to replace "03" by "04" and to change the footnote regarding the distinguishing number of the country which has granted approval and text in the clause on approval (clause 5), to add requirements on general specifications (6.4 to 6.5.1), to change the title and add a requirement on test report (clause 9), to add requirements on production qualification (clause 11), to renumber and change the title on conformity of production and to renumber remaining clauses, to change requirements on transitional provisions (clause 16), to change requirements in the annex on arrangements of the approval mark (annex 2), to change requirements in the annex of type scheme (flow chart ISO 9002:2000) (annex 14), and to change, add and delete requirements in the annex on control of conformity of production (annex 16). <i>National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes, and to add information to the national foreword that relates to the compulsory application and introduction of this standard.</p>
SANS 20054:2007/ ECE R54:2004	<p><i>Pneumatic tyres for commercial vehicles and their trailers. ECE amendment No. 1.</i> Amended to add text in the subclause on approval (5.7) and to add an annex on communication (annex 9). <i>ECE corrigendum No. 1.</i> Corrected to change text in the subclause on markings (3.1.15). <i>ECE corrigendum No. 2.</i> Corrected to change a symbol in the subclause on markings (3.1.9) and to change a note in the annex on procedure for load/speed endurance tests (annex 7 - appendix 1).</p>
SANS 20064:2007/ ECE R64:1985	<p><i>Temporary-use spare wheels/tyres. ECE amendment No. 1.</i> Amended to change a definition for temporary-use spare tyres and to change requirements in the subclause on specifications and tests (5.1.4). <i>ECE amendment No. 2.</i> Amended to change text in the subclause on supplementary information (6.2).</p>
SANS 20070:1987/ ECE R70:1987	<p><i>Uniform provisions concerning the approval of rear marking plates for heavy and long vehicles. ECE corrigendum No. 1 to ECE amendment No. 1.</i> Corrected to change text in the annex on specifications of shape and dimensions (annex 5). <i>ECE corrigendum No. 1 to amendment No. 3.</i> Corrected to delete, renumber and change requirements in the subclauses on transitional provisions (13.4 to 13.6 and 13.9). <i>ECE amendment No. 4.</i> Amended to change text in the annex on rigidity of plates (annex 10). <i>ECE amendment No. 5.</i> Amended to change the scope, to renumber and to add a new footnote to the scope, to change the definition for rear marking plate (2.1), to change and to renumber the footnote regarding the distinguishing number of the country which has granted approval in the clause on approval (clause 5), and to renumber the remaining footnotes. <i>National amendment No. 2.</i> Amended to add information to the national foreword that relates to the compulsory introduction of this standard.</p>
SANS 20072:1988/ ECE R72:1988	<p><i>Uniform provisions concerning the approval of motor cycle headlamps emitting an asymmetrical passing beam and a driving beam and equipped with halogen filament lamps (HS1). National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes, and to add information to the national foreword that relates to the compulsory application and introduction of this standard.</p>
SANS 20075:2004/ ECE R75:1997	<p><i>Uniform provisions concerning the approval of pneumatic tyres for motor cycles and mopeds. ECE corrigendum No. 1.</i> Corrected to change text in the annex on test procedure for the dynamic growth of tyres (annex 9). <i>National amendment No. 1.</i> Amended to add information to the national foreword that relates to the compulsory introduction of this standard.</p>

Standard No. and year	Title, scope and purport
SANS 20088:2007/ ECE R88:1993	<i>Uniform provisions concerning the approval of retroreflective tyres for two-wheeled vehicles. ECE corrigendum No. 1.</i> Amended to correct the title, to change requirements on application for approval (3.1.1 and 3.1.2) and markings (4.1.2), and to change requirements in the annex for photometric specifications (annex 6).
SANS 60034-9:2007 (Ed. 3.1)	<i>Rotating electrical machines – Part 9: Noise limits. Consolidated edition incorporating amendment No. 1.</i> Amended to include network-supplied machines for factory acceptance testing of sound power levels, to change requirements for sound power level limits, and to insert a clause on the determination of noise increments caused by converter supply.
SANS 60060-1:1989/ IEC 60060-1:1989	<i>High-voltage test techniques – Part 1: General definitions and test requirements. IEC corrigendum No. 1.</i> Amended to replace the existing figure 1 by a new figure. <i>National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60076-10:2001/ IEC 60076-10:2001	<i>Power transformers – Part 10: Determination of sound levels. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60146-1-1:1991/ IEC 60146-1-1:1991	<i>Semiconductor converters – General requirements and line commutated converters – Part 1-1: Specifications of basic requirements. National amendment No. 1.</i> Amended to change the minimum temperature for storage and transport, and to add a note to the table for a.c. voltage.
SANS 60146-1-2:1991/ IEC 60146-1-2:1991	<i>Semiconductor converters – General requirements and line commutated converters – Part 1-2: Application guide. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60146-1-3:1991/ IEC 60146-1-3:1991	<i>Semiconductor converters – General requirements and line commutated converters – Part 1-3: Transformers and reactors. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60146-2:1999/ IEC 60146-2:1999	<i>Semiconductor converters – Part 2: Self-commutated semiconductor converters including direct d.c. converters. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60146-6:1992/ IEC 60146-6:1992	<i>Semiconductor converters – Part 6: Application guide for the protection of semiconductor converters against overcurrent by fuses. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60270:2000/ IEC 60270:2000	<i>High-voltage test techniques – Partial discharge measurements. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60331-11:1999/ IEC 60331-11:1999	<i>Tests for electric cables under fire conditions – Circuit integrity – Part 11: Apparatus – Fire alone at a flame temperature of at least 750 °C. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60331-23:1999/ IEC 60331-23:1999	<i>Tests for electric cables under fire conditions – Circuit integrity – Part 23: Procedures and requirements – Electric data cables. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60331-25:1999/ IEC 60331-25:1999	<i>Tests for electric cables under fire conditions – Circuit integrity – Part 25: Procedures and requirements – Optical fibre cables. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60332-3-10:2000/ IEC 60332-3-10:2000	<i>Tests on electric cables under fire conditions – Part 3-10: Test for vertical flame spread of vertically-mounted bunched wires or cables – Apparatus. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60332-3-21:2000/ IEC 60332-3-21:2000	<i>Tests on electric cables under fire conditions – Part 3-21: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category A F/R. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60332-3-22:2000/ IEC 60332-3-22:2000	<i>Tests on electric cables under fire conditions – Part 3-22: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category A. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60332-3-23:2000/ IEC 60332-3-23:2000	<i>Tests on electric cables under fire conditions – Part 3-23: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category B. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60332-3-24:2000/ IEC 60332-3-24:2000	<i>Tests on electric cables under fire conditions – Part 3-24: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category C. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60332-3-25:2000/ IEC 60332-3-25:2000	<i>Tests on electric cables under fire conditions – Part 3-25: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category D. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60439-3:2007 (Ed. 1.2)	<i>Low-voltage switchgear and controlgear assemblies – Part 3: Particular requirements for low-voltage switchgear and controlgear assemblies intended to be installed in places where unskilled persons have access for their use – Distribution boards. Consolidated edition incorporating amendment No. 2.</i> Amended to delete requirements for marking, to add a requirement for pollution degree, to change requirements for protection against electrical shock, to change clause numbers and to replace tables 7 and 7a.
SANS 60479-2:2007/ IEC 60479-2:2007 (SABS IEC 60479-2:1987)	<i>Effects of current on human beings and livestock – Part 2: Special aspects.</i> Describes the effects on the human body when a sinusoidal alternating current in the frequency range above 100 Hz passes through it. The effects of current passing through the human body for alternating sinusoidal current with d.c. components, alternating sinusoidal current with phase control, alternating sinusoidal current with multicycle control, are given but are only deemed applicable for alternating current frequencies from 15 Hz up to 100 Hz.

Standard No. and year	Title, scope and purport
SANS 60730-2-17:2007/ IEC 60730-2-17:2001 (Ed. 1.1)	<i>Automatic electrical controls for household and similar use – Part 2-17: Particular requirements for electrically operated gas valves, including mechanical requirements. IEC amendment No. 2.</i> Amended to extend the scope, to update normative references, to add clause numbers to the list of national deviations in some countries, to classify valves according to sealing force, to refer to current practice in the country members of CEN/CENELEC, to change the titles of clauses 20, 23 and 26, to add requirements for construction of valves and electromagnetic compatibility, to add maximum winding temperatures for impedance protected motorized electric actuators, and to change the requirements for construction of valves, the overvoltage and undervoltage test, and the use of electronic disconnection.
SANS 60730-2-19:2007/ IEC 60730-2-19:2001 (Ed. 1.1)	<i>Automatic electrical controls for household and similar use – Part 2-19: Particular requirements for electrically operated oil valves, including mechanical requirements. IEC amendment No. 2.</i> Amended to extend the scope, to update normative references, to add clause numbers to the list of national deviations in some countries, to classify normally open valves as automatic and semi-automatic with latch, to add requirements for normally open valves and electromagnetic compatibility, to change the titles of clauses 20, 23 and 26, to add maximum winding temperatures for impedance protected motorized electric actuators, to change the requirements for normally closed valves and for safety shutoff valves, the overvoltage and undervoltage test, and the use of electronic disconnection.
SANS 60839-2-7:1994/ IEC 60839-2-7:1994	<i>Alarm systems – Part 2: Requirements for intruder alarm systems – Section 7: Passive glass-break detectors for use in buildings. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 61204:2007 (Ed. 1.1)	<i>Low-voltage power supply devices, d.c. output – Performance characteristics. Consolidated edition incorporating amendment No. 1.</i> Amended to update the title, the scope, the performance characteristics of the frequency range of the source frequency, periodic and random deviation, output overcurrent protection, requirements for safety and interference, environmental tests and figure A.1.
SANS 61204-3:2000/ IEC 61204-3:2000	<i>Low-voltage power supplies, d.c. output – Part 3: Electromagnetic compatibility (EMC). National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 61204-6:2000 (SABS IEC 61204-6:2000)	<i>Low-voltage power supplies, d.c. output – Part 6: Requirements for low-voltage power supplies of assessed performance. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 61230:1993/ IEC 61230:1993	<i>Live working – Portable equipment for earthing or earthing and short-circuiting. National amendment No. 2.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 61540:2007 (Ed. 1.1)	<i>Electrical accessories – Portable residual current devices without integral overcurrent protection for household and similar use (PRCDs). Consolidated edition incorporating amendment No. 1.</i> Amended to add normative references and a reference to IEC 61008-1, and to include an annex on tests and test sequence for the verification of compliance of PRCDs with electromagnetic compatibility requirements.
SANS 61543:2007/ IEC 61543:1995	<i>Residual current-operated protective devices (RCDs) for household and similar use – Electromagnetic compatibility. IEC amendment No. 1.</i> Amended to update normative references, to change requirements for the low-frequency and high-frequency immunity tests and the electrostatic discharge test, and to add a bibliography. <i>IEC amendment No. 2.</i> Amended to add a table on the current level according to the frequency and RCD sensitivity for the conditions of T 2.6, and to add a figure that gives an example of an appropriate test circuit.
SANS 61800-1:1997/ IEC 61800-1:1997	<i>Adjustable speed electrical power drive systems – Part 1: General requirements – Rating specifications for low voltage adjustable speed d.c. power drive systems. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 61800-2:1998/ IEC 61800-2:1998	<i>Adjustable speed electrical power drive systems – Part 2: General requirements – Rating specifications for low voltage adjustable frequency a.c. power drive systems. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.

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 137:1971	<i>Resin cored solders (non-corrosive).</i>
SANS 410:1993	<i>Textiles – Tearing strength of fabrics: tongue tear test.</i>
SANS 869:1976	<i>Mine crayons.</i>
SANS 1289:1980	<i>Base blending oil (high viscosity index).</i>
SANS 1473-1:2003	<i>Low-voltage switchgear and controlgear assemblies – Part 1: Type-tested, partially type-tested and specially tested assemblies with a rated short-circuit withstand strength above 10 kA</i>
SANS 1479:1989	<i>Glow-starters for tubular fluorescent lamps.</i>
SANS 1483:1989	<i>Glass cylinders for dental cartridges.</i>
SANS 1708:2003	<i>Safety aspects of canopies as fitted to category N₁ and N₂ motor vehicles.</i>

SANS 1839:2000	<i>Pre-diluted aqueous ethylene glycol base (40 %) by volume, minimum engine cooling system protector.</i>
SANS 5005:1975	<i>Sampling of pharmaceutical products for pyrogenicity testing.</i>
SANS 5007:1975	<i>Pyrogenicity of antibiotics.</i>
SANS 5008:1975	<i>Pyrogenicity of heparin and heparin injection.</i>
SANS 5013:1975	<i>Calcium chloride content of pharmaceutical products.</i>
SANS 5015:1975	<i>Determination of heavy metals in dextrose injection and in sodium chloride and dextrose injection.</i>
SANS 5066:1975	<i>Sodium citrate content of pharmaceutical products.</i>
SANS 5286:1975	<i>Test for albuminoid ammonia in pharmaceutical products, limit test.</i>
SANS 5382:1993	<i>Textiles – Tearing strength of fabrics: wing-rip tear test.</i>
SANS 5387:1975	<i>Lignocaine and noradrenaline in solutions, identification.</i>
SANS 5390:1975	<i>Mepivacaine hydrochloride in powder and in solutions, identification.</i>
SANS 5391:1975	<i>Total ash sulphated ash.</i>
SANS 5393:1975	<i>Lignocaine and adrenaline in solutions, identification.</i>
SANS 5394:1975	<i>Adrenaline or levonordefrin content of the injection.</i>
SANS 5396:1982	<i>Primary aminophenyl group identification.</i>
SANS 5397:1975	<i>Procaine hydrochloride content of procaine and adrenaline solutions.</i>
SANS 5475:1975	<i>Determination of mepivacaine hydrochloride content of the powder.</i>
SANS 5477:1975	<i>Mepivacaine hydrochloride content of the injection.</i>
SANS 5490:1974	<i>Assessment of tainting of foodstuffs by packaging materials.</i>
SANS 5593:1984	<i>Oxidizable matter in aqueous extracts of plastics for medical use.</i>
SANS 5594:1975	<i>Sulphate ions in aqueous extracts of plastics for medical use (limit test).</i>
SANS 5595:1975	<i>Ammonium ions in aqueous extracts of plastics for medical use (limit test).</i>
SANS 5597:1975	<i>Heavy metals in the aqueous solution of the ether extract of plastic containers for medical use (limit test).</i>
SANS 50400:1993	<i>Respiratory protective devices for self-rescue – Self-contained closed-circuit breathing apparatus – Compressed oxygen escape apparatus – Requirements, testing, marking.</i>
SANS 50401:1993	<i>Respiratory protective devices for self-rescue – Self-contained closed-circuit breathing apparatus – Chemical oxygen (KO₂) escape apparatus – Requirements, testing, marking.</i>
SANS 51061:1996	<i>Respiratory protective devices for self-rescue – Self-contained closed-circuit breathing apparatus – Chemical oxygen (NaClO₃) escape apparatus – Requirements, testing, marking.</i>
SANS 61326-1:2000	<i>Electrical equipment for measurement, control and laboratory use – EMC requirements.</i>
SANS 61330:1995	<i>High-voltage/low-voltage prefabricated substations.</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.