

DEPARTMENT OF TRADE AND INDUSTRY

No. 1039

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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 111:2009/ ISO 835:2007	<i>Laboratory glassware – Graduated pipettes.</i> Specifies metrological and constructional requirements for graduated pipettes, adequate for general laboratory purposes.
SANS 115:2009/ ISO 385:2005	<i>Laboratory glassware – Burettes.</i> Provides metrological and constructional requirements for an internationally acceptable series of burettes, suitable for general laboratory purposes.
SANS 489:2009	<i>Good Manufacturing Practice in the animal feed industry.</i> Covers the trade and production of compound feed, simple and moisture-rich animal feed, animal feed ingredients, and premixes for the animal feed industry to ensure that the delivery of products and services by manufacturers of these products and providers of these services consistently meet the requirements laid down by law, with regard to human, animal and environmental safety.
SANS 664-1:2009	<i>Wedge gate and resilient seal valves for waterworks – Part 1: General.</i> Covers the general requirements for the construction and performance of flanged, spigotted and socket-ended wedge and resilient seal valves of the rising and non-rising spindle configuration of waterworks.
SANS 664-2:2009	<i>Wedge gate and resilient seal valves for waterworks – Part 2: Wedge gate valves.</i> Covers the requirements for the design and construction of wedge gate valves of pressure rating (PN) up to 4 000 kPa and of sizes up to 1 000 mm.
SANS 664-3:2009	<i>Wedge gate and resilient seal valves for waterworks – Part 3: Resilient seal valves.</i> Covers the requirements for the design and construction of resilient seal valves of pressure rating (PN) up to 2 500 kPa and of sizes up to 600 mm.
SANS 737:2009/ ISO 10329:2009	<i>Coal – Determination of plastic properties – Constant-torque Gieseler plastometer method.</i> Specifies a method for obtaining a relative measure of the plastic behaviour of coal when heated under prescribed conditions.
SANS 928:2009/ ISO 10241:1992	<i>International terminology standards – Preparation and layout.</i> Establishes rules for use in the preparation and layout of international terminology standards. It does not stipulate principles and methods of terminology, which are treated in ISO 704 (published in South Africa as an identical adoption under the designation SANS 704).
SANS 3452-1:2009/ ISO 3452-1:2008	<i>Non-destructive testing – Penetrant testing – Part 1: General principles.</i> Defines a method of penetrant testing used to detect discontinuities, e.g. cracks, laps, folds, porosity and lack of fusion, which are open to the surface of the material to be tested. It is mainly applied to metallic materials, but can also be performed on other materials, provided that they are inert to the test media and they are not excessively porous, examples of which are castings, forgings, welds, ceramics, etc.
SANS 5725-5:2009/ ISO 5725-5:1998	<i>Accuracy (trueness and precision) of measurement methods and results – Part 5: Alternative methods for the determination of the precision of a standard measurement method.</i> Provides descriptions of alternatives to the basic method for determining the repeatability and reproducibility standard deviations of a standard measurement method, namely the split-level design and a design for heterogeneous materials. Describes the use of robust methods for analysing the results of precision experiments without using outlier tests to exclude data from the calculations, and in particular, the detailed use of one such method.
SANS 6321:2009	<i>Determination of the microbial inhibition of cosmetic soap bars and liquid hand and body washes.</i> Describes a method for testing and comparing the microbial inhibition properties of cosmetic soap bars and liquid hand and body washes.
SANS 8764-1:2009/ ISO 8764-1:2004	<i>Assembly tools for screws and nuts – Screwdrivers for cross-recessed head screws – Part 1: Driver tips.</i> Specifies the shapes and dimensions, technical requirements and torque test methods for the tips of hand drivers and of machine-operated bits for cross-recessed head screws. It specifies two forms of driver tips: form PH for form H recesses and form PZ for form Z recesses. (H and Z form recesses are specified in ISO 4757, while general requirements, lengths of blades and marking of hand-operated screwdrivers are given in ISO 8764-2.)
SANS 8764-2:2009/ ISO 8764-2:2004	<i>Assembly tools for screws and nuts – Screwdrivers for cross-recessed head screws – Part 2: General requirements, lengths of blades and marking of hand-operated screwdrivers.</i> Specifies general requirements, lengths of blades and marking of hand-operated screwdrivers for H and Z cross-recessed head screws as specified in ISO 4757. The specifications for blade tips are given in ISO 8764-1.

Standard No. and year	Title, scope and purport
SANS 9230:2009/ ISO 9230:2007	<i>Information and documentation – Determination of price indexes for print and electronic media purchased by libraries.</i> Specifies a method for the determination of price indexes relating to the prices of print and electronic media acquired by libraries. It is not meant for calculating a price index of the national media production. The media included are restricted to books, serials and databases.
SANS 9707:2009/ ISO 9707:2008	<i>Information and documentation – Statistics on the production and distribution of books, newspapers, periodicals and electronic publications.</i> Gives guidance on the keeping of national statistics to provide standardized information on various aspects of the production and distribution of printed, electronic and micro-publications(essentially books, newspapers and periodicals).
SANS 11462-1:2009/ ISO 11462-1:2001	<i>Guidelines for implementation of statistical process control (SPC) – Part 1: Elements of SPC.</i> Specifies statistical process control (SPC) system guidelines for use when a supplier's capability to reduce variation in processes associated with design or production needs to be proven or improved or when a supplier is beginning SPC implementation to achieve such capability.
SANS 11620:2009/ ISO 11620:2008	<i>Information and documentation – Library performance indicators.</i> Specifies the requirements of a performance indicator for libraries and establishes a set of performance indicators to be used by libraries of all types. It also provides guidance on how to implement performance indicators in libraries where such performance indicators are not already in use.
SANS 11843-2:2009/ ISO 11843-2:2000	<i>Capability of detection – Part 2: Methodology in the linear calibration case.</i> Specifies basic methods to design experiments for the estimation of the critical value of the net state variable, the critical value of the response variable and the minimum detectable value of the net state variable and to estimate these characteristics from experimental data for the cases in which the calibration function is linear and the standard deviation is either constant or linearly related to the net state variable. Applicable to various situations such as checking the existence of a certain substance in a material, the emission of energy from samples or plants, or the geometric change in static systems under distortion.
SANS 11843-3:2009/ ISO 11843-3:2003	<i>Capability of detection – Part 3: Methodology for determination of the critical value for the response variable when no calibration data are used.</i> Gives a method for estimating the critical value of the response variable from the mean and standard deviation of repeated measurements of the reference state in situations in which the value of the net state variable is zero. Gives procedures for the determination of the critical value of the response variable in situations where no calibration data are used and the distribution of data is assumed to be normal or near normal. Procedure given is recommended for situations in which it is difficult to obtain a large amount of the actual states although a large amount of the basic state can be prepared.
SANS 11843-4:2009/ ISO 11843-4:2003	<i>Capability of detection – Part 4: Methodology for comparing the minimum detectable value with a given value.</i> Deals with the assessment of the capability of detection of a measurement method without the assumptions in ISO 11843-2 of a linear calibration curve and certain relationships between the residual standard deviation and the value of the net state variable. Provides a criterion for judging whether the minimum detectable value is less than a given level of the net state variable and the basic experimental design for testing this criterion.
SANS 11843-5:2009/ ISO 11843-5:2008	<i>Capability of detection – Part 5: Methodology in the linear and non-linear calibration cases.</i> Deals with calibration functions that are either linear or non-linear. Specifies basic methods to construct a precision profile for the response variable, transform this into a precision profile for the net state variable and use the latter precision profile to estimate the critical value and minimum detectable value of the net state variable.
SANS 11843-1:2009/ ISO 11843-1:1997	<i>Capability of detection – Part 1: Terms and definitions.</i> Specifies SPC system guidelines for use when a supplier's capability to reduce variation in processes associated with design or production needs to be proven or improved, or when a supplier is beginning SPC implementation to achieve such capability. Not intended for contractual, regulatory or certification use.
SANS 12215-6:2009/ ISO 12215-6:2008	<i>Small craft – Hull construction and scantlings – Part 6: Structural arrangements and details.</i> Applies to structural details of and structural components in monohull and multihull small craft constructed from fibre reinforced plastics (FRP), aluminium or steel alloys, wood or other suitable boat building material, with a hull length of up to 24 m.
SANS 13528:2009/ ISO 13528:2005	<i>Statistical methods for use in proficiency testing by interlaboratory comparisons.</i> Complements ISO Guide 43 (all parts) by providing detailed descriptions of sound statistical methods for organizers to use to analyse the data obtained from proficiency testing schemes and by giving recommendations on their use in practice by participants in such schemes and by accreditation bodies. Can be applied to demonstrate that the measurement results obtained by laboratories do not exhibit evidence of an unacceptable level of bias. Applicable to quantitative data but not to qualitative data.
SANS 14143-6:2009/ ISO/IEC 14143-6:2006	<i>Information technology – Software measurement – Functional size measurement – Part 6: Guide for use of ISO/IEC 14143 series and related international standards.</i> Provides a summary of the FSM (Functional Size Measurement) related standards and the relationship between the definitions and concepts of FSM and conformance and verification of FSMMs (Functional Size Measurement Methods), and software sizing methods that conform to the mandatory requirements of SANS 14143-1. Provides a process to assist users select an FSMM that meets their requirements and gives guidance on how to use the Functional Size (FS).
SANS 14509-1:2009/ ISO 14509-1:2008	<i>Small craft – Airborne sound emitted by powered recreational craft – Part 1: Pass-by measurement procedures.</i> Specifies the conditions for obtaining reproducible and comparable measurement results of the maximum sound pressure level of airborne sound generated during the passage of powered recreational craft of up to 24 m length of hull, including inboards, stern drives, personal watercraft (PWC) and outboard motors. Also specifies standard craft based type tests for stern drives with integral exhaust systems and for outboard motors. Also specifies the procedure to be followed if, in addition to the maximum sound pressure level, the determination of the sound exposure level is desired.
SANS 14560:2009/ ISO 14560:2004	<i>Acceptance sampling procedures by attributes – Specified quality levels in nonconfirming items per million.</i> Specifies procedures for estimating the quality level of a single entity and, when the production process is in statistical control, for estimating the process quality level based on evidence from several samples. Gives procedures for using this information when selecting a suitable sampling plan so as to verify that the quality level of a given lot does not exceed a stated limiting quality level (LQL). For the case where no prior sample data is available, guidance is given for presuming a process quality level in selecting a plan.

Standard No. and year	Title, scope and purport
SANS 14906:2009/ ISO 14906:2004	<i>Road transport and traffic telematics – Electronic fee collection – Application interface definition for dedicated short-range communication.</i> Specifies the application interface in the context of Electronic Fee Collection (EFC) systems using the Dedicated Short-Range communication (DSRC). The EFC application interface is the EFC application process interface to the DSRC Application Layer. This is an interface standard, adhering to the open systems interconnection (OSI) philosophy. Provides security-specific functionality as place holders (data and functions) to enable the implementation of secure EFC transactions.
SANS 14945:2009/ ISO 14945:2004	<i>Small craft – Builder's plate.</i> Establishes requirements for the uniform display of information to be exhibited on the builder's plate of small craft with a hull length LH of up to 24 m.
SANS 15188:2009/ ISO 15188:2001	<i>Project management guidelines for terminology standardization.</i> Specifies guidelines setting out the phases and procedures to be followed in terminology standardization projects, as well as harmonization and uniformity projects, both inside and outside the framework of international standardization. It is divided into two sections, the first one dealing with terminology standardization in general, and the second dealing with terminology standardization within international standards bodies (ISO, for example).
SANS 15628:2009/ ISO 15628:2007	<i>Road transport and traffic telematics – Dedicated short range communication (DSRC) – DSRC application layer.</i> Specifies the application layer core which provides communication tools for applications based on DSRC (Dedicated Short-range Communication). Covers the application layer structure and framework, services to enable data transfer and remote operations, application multiplexing procedure, fragmentation procedure, concatenation and chaining procedure, common encoding rules, communication initialization and release procedures, broadcast service support, DSRC management support and extensibility for different lower layer services and application interfaces.
SANS 16201:2009/ ISO 16201:2006	<i>Technical aids for persons with disability – Environmental control systems for daily living.</i> Specifies functional and technical requirements and test methods for environmental control systems intended for use to alleviate or compensate for a disability. It does not cover target devices.
SANS 18415:2009/ ISO 19415:2007	<i>Cosmetics – Microbiology – Detection of specified and non-specified microorganisms.</i> Gives general guidelines for the detection and identification of specified microorganisms in cosmetic products. It can also be used for the detection and identification of other kinds of aerobic mesophilic non-specified microorganisms in cosmetic products.
SANS 21047:2009/ ISO 21047:2009	<i>Information and documentation – International Standard Text Code (ISTC).</i> Specifies the International Standard Text Code (ISTC) which is applicable to any textual work, whenever there is an intention to produce such a textual work in the form of one or more manifestations. It provides an identification data element for applications that record and exchange information about textual works and related manifestations. For example, the ISTC can be used for the purposes of collocating subsequent manifestations of the same textual work or derivations of the same textual work in applications involving electronic rights administration or information retrieval.
SANS 21487:2009/ ISO 21487:2006	<i>Small craft – Permanently installed petrol and diesel fuel tanks.</i> Establishes requirements for the design and testing of petrol and diesel fuel tanks for internal combustion engines that are intended to be permanently installed in small craft with hull length of up to 24 m.
SANS 22128:2009/ ISO 22128:2008	<i>Terminology products and services – Overview and guidance.</i> Identifies and describes a wide range of terminology products and services so that suppliers of these products and services and their clients can have a common understanding as well as shared expectations in their delivery. It outlines some of the generally accepted terminology practices to be followed in the development and delivery of terminology products and services as well as some of the desired quality features that should characterize the products and services produced.
SANS 22411:2009/ ISO/TR 22411:2008	<i>Ergonomics data and guidelines for the application of ISO/IEC Guide 71 to products and services to address the needs of older persons and persons with disabilities.</i> Presents ergonomics data and guidelines for applying ISO/IEC Guide 71 (published in South Africa as an identical adoption under the designation ARP 071) in addressing the needs of older persons and persons with disabilities in standards development. It provides ergonomics data and knowledge about human abilities (sensory, physical, cognitive abilities) and allergies, and guidance on the accessible design of products, services and environments.
SANS 22718:2009/ ISO 22718:2006	<i>Cosmetics – Microbiology – Detection of Staphylococcus aureus.</i> Gives general guidelines for the detection and identification of the specified micro-organism Staphylococcus aureus in cosmetic products.
SANS 24613:2009/ ISO 24613:2008	<i>Language resource management – Lexical markup framework (LMF).</i> Describes the Lexical Markup Framework (LMF), a metamodel for representing data in lexical databases used with monolingual and multilingual computer applications.
SANS 30042:2009/ ISO 30042:2008	<i>Systems to manage terminology, knowledge, and content – TermBase eXchange (TBX).</i> Designed to support various types of processes involving terminological data, including analysis, descriptive representation, dissemination, and interchange (exchange) in various computer environments.
SANS 55509:2009/ EN 15509:2007	<i>Road transport and traffic telematics – Electronic fee collection – Interoperability application profile for DSRC.</i> Provides a set of requirements for EFC-applications that may serve as a common technical platform for EFC-interoperability. Defines the basic level of technical interoperability for EFC equipment. Limited to the payment method of central account based on EFC-DSRC (Dedicated Short-range Communication) transactions, physical systems in OBU (On-board Units) and RSE (Road-side Equipment) equipment and the DSRC interface between them (all functions and information flows related to these parts). DSRC-link requirements, EFC transactions over the DSRC interface, data elements to be used by OBU and RSE used in EFC-DSRC transactions and security mechanisms for OBU and RSE used in EFC-DSRC transactions.
SANS 60034-18-41:2009/ IEC/TS 60034-18-41:2006	<i>Rotating electrical machines – Part 18-41: Qualification and type tests for Type 1 electrical insulation systems used in rotating electrical machines fed from voltage converters.</i> Defines criteria for assessing the insulation system of stator/rotor windings which are subjected to pulse width modulation (PWM) drives. Applies to stator/rotor windings of single or polyphase AC machines with insulation systems for converter operation.

Standard No. and year	Title, scope and purport
SANS 60079-28:2009/ IEC 60079-28:2006	<i>Explosive atmospheres – Part 28: Protection of equipment and transmission systems using optical radiation.</i> Explains the potential ignition hazard from equipment using optical radiation intended for use in explosive gas atmospheres. Also covers equipment, which itself is located outside but where the emitted optical radiation enters explosive atmospheres. Describes precautions and requirements to be taken when using optical radiation transmitting equipment in explosive gas atmospheres. Outlines a test method, which can be used to verify that a beam is not ignition capable under selected test conditions, if the optical limit values cannot be guaranteed by assessment or beam strength measurement.
SANS 60331-1:2009/ IEC 60331-1:2009	<i>Tests for electric cables under fire conditions – Circuit integrity – Part 1: Test method for fire with shock at a temperature of at least 830 °C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter exceeding 20 mm.</i> Specifies the test apparatus and procedure and gives the performance requirements, including recommended flame application times, for low-voltage power cables of rated voltage up to and including 0,6/1,0 kV and control cables (with a rated voltage) which are required to maintain circuit integrity when subjected to fire and mechanical shock under specified conditions. Intended for use when testing cables of overall diameter exceeding 20 mm.
SANS 60331-2:2009/ IEC 60331-2:2009	<i>Tests for electric cables under fire conditions – Circuit integrity – Part 2: Test method for fire with shock at a temperature of at least 830 °C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter not exceeding 20 mm.</i> Specifies the test apparatus and procedure and gives the performance requirements, including recommended flame application times, for low-voltage power cables of rated voltage up to and including 0,6/1,0 kV and control cables (with a rated voltage) which are required to maintain circuit integrity when subjected to fire and mechanical shock under specified conditions. Intended for use when testing cables of overall diameter not exceeding 20 mm.
SANS 60331-3:2009/ IEC 60331-3:2009	<i>Tests for electric cables under fire conditions – Circuit integrity – Part 3: Test method for fire with shock at a temperature of at least 830 °C for cables of rated voltage up to and including 0,6/1,0 kV tested in a metal enclosure.</i> Specifies the test apparatus and procedure and gives the performance requirements, including recommended flame application times, for low-voltage power cables of rated voltage up to and including 0,6/1,0 kV, and control cables (with a rated voltage) which are required to maintain circuit integrity when tested in a metal enclosure and when subjected to fire and mechanical shock under specified conditions.
SANS 60601-1-10:2009/ IEC 60601-1-10:2007	<i>Medical electrical equipment – Part 1-10: General requirements for basic safety and essential performance – Collateral Standard: Requirements for the development of physiologic closed-loop controllers.</i> Applies to the basic safety and essential performance of medical electrical equipment and medical electrical systems. Specifies requirements for the development (analysis, design, verification and validation) of a physiologic closed-loop controller (PCLC).
SANS 60974-3:2009/ IEC 60974-3:2007	<i>Arc welding equipment – Part 3: Arc striking and stabilizing devices.</i> Specifies safety requirements for industrial and professional arc striking and arc stabilizing devices used in arc welding and allied processes. Applies to stand-alone arc striking and arc stabilizing devices that are either connected to a separate welding power source or built into the welding power source enclosure. Does not include electromagnetic compatibility (EMC) requirements.
SANS 61000-6-5:2009/ IEC TS 61000-6-5:2001	<i>Electromagnetic compatibility (EMC) – Part 6-5: Generic standards – Immunity for power station and substation environments.</i> Sets immunity requirements for apparatus intended for use by electricity utilities in the generation, transmission and distribution of electricity and related telecommunication systems. The locations covered are the power stations and the substations where apparatus of electricity utilities are installed.
SANS 62055-52:2009/ IEC 62055-52:2008	<i>Electricity metering – Payment systems – Part 52: Standard transfer specification (STS) – Physical layer protocol for a two-way virtual token carrier for direct local connection.</i> Specifies a physical layer protocol of the Standard Transfer Specification for transferring units of credit and other management information between a client (typically a hand held unit) and a server (an STS-compliant electricity payment meter), typically over a direct local connection.

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 101:2009 (Ed. 1.1)	<i>White metal designated WM 6. Consolidated edition incorporating amendment No. 1.</i> Amended to delete a referenced standard method that has been withdrawn.
SANS 102:2009 (Ed. 1.1)	<i>White metal designated WM 15. Consolidated edition incorporating amendment No. 1.</i> Amended to delete a referenced standard method that has been withdrawn and to correct the grade designation in table 1.
SANS 103:2009 (Ed. 1.1)	<i>White metal designated WM 30. Consolidated edition incorporating amendment No. 1.</i> Amended to delete a referenced standard method that has been withdrawn.
SANS 109:2009 (Ed. 1.1)	<i>White metal designated WM 84. Consolidated edition incorporating amendment No. 1.</i> Amended to delete a referenced standard that has been withdrawn.
SANS 112:2009/ ISO 648:2008 (SABS ISO 648:1977)	<i>Laboratory glassware – Single volume pipettes.</i> Specifies metrological and constructional requirements for volumetric pipettes with one mark (total delivery) and for volumetric pipettes with two marks, both of which are adequate for general laboratory purposes.
SANS 120:2009 (SABS 120:1973)	<i>Stemming for use in blasting.</i> Covers stemming as used in blasting procedures, applies to all types of stemming products and provides for use in different environments.
SANS 124:2009 (Ed. 1.1)	<i>White metal designated WM 90. Consolidated edition incorporating amendment No. 1.</i> Amended to delete a referenced standard that has been withdrawn and to correct the grade designation in table 1 and under the requirements for marking.

Standard No. and year	Title, scope and purport
SANS 404:2009 (Ed. 2.2)	<i>Phosphorus deoxidized non-arsenical copper. Consolidated edition incorporating amendment No. 2.</i> Amended to delete referenced standard methods that have been withdrawn.
SANS 405:2009 (Ed. 2.2)	<i>Phosphorus deoxidized arsenical copper. Consolidated edition incorporating amendment No. 2.</i> Amended to remove reference to a date in the reference to a referenced standard.
SANS 521:2009 (Ed. 3.4)	<i>Hospital beds and cots. Consolidated edition incorporating amendment No. 4.</i> Amended to update referenced standards.
SANS 566:2009/ ISO 10239:2008	<i>Small craft – Liquefied petroleum gas (LPG) systems.</i> Covers permanently installed liquefied petroleum gas (LPG) systems and LPG burning appliances on small craft of hull length up to 24 m, except for systems used on LPG-fuelled propulsion engines or LPG-driven generators. Does not cover appliances with directly attached gas cylinders, such as portable self-contained camping stoves and portable gas lamps.
SANS 982:2009 (Ed. 3.1)	<i>High-pressure high-vacuum steam sterilizers (autoclaves). Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to delete the reference to national legislation from the text, to update language marking requirements on operating controls, on double doors and on instruction booklets, to update referenced standards, to delete a footnote regarding the obtainability of suitable autoclave indicator tape from the SABS, to update the quality verification appendix (appendix C), and to add a bibliography.
SANS 589:2009/ ISO 589:2008	<i>Hard coal – Determination of total moisture.</i> Specifies two methods for the determination of the total moisture content of hard coals.
SANS 1619:2009 (Ed. 2.2)	<i>Small power distribution units (ready-boards) for single-phase 230 V service connections. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards and to introduce new requirements for socket-outlets.
SANS 3452-2:2009/ ISO 3452-2:2006 (SABS ISO 33452-2:2000)	<i>Non-destructive testing – Penetrant testing – Part 2: Testing of penetrant materials.</i> Specifies the technical requirements and test procedures for penetrant materials for their type testing and batch testing. Also details on-site control tests and methods.
SANS 4788:2009/ ISO 4788:2005 (SABS ISO 4788:1980)	<i>Laboratory glassware – Graduated measuring cylinders.</i> Specifies dimensions, material and constructional and metrological requirements of graduated measuring cylinders of tall form (Type 1a and Type 1b) and of squat form (Type 2). All types are suitable for general laboratory use.
SANS 5725-5:2009/ ISO 5725-5:1998	<i>Accuracy (trueness and precision) of measurement methods and results – Part 5: Alternative methods for the determination of the precision of a standard measurement method. ISO corrigendum No. 1.</i> Corrected to replace equations (25) and (26) in subclause 5.4.2 and equation (72) in subclause 6.4.3.
SANS 7811-6:2009/ ISO/IEC 7811-6:2007	<i>Identification cards – Recording technique – Part 6: Magnetic stripe – High coercivity.</i> Defines the characteristics for identification cards and the use of such cards for international interchange. Also specifies the requirements for high coercivity magnetic stripe, the encoding technique, and the coded character sets on an identification card.
SANS 7816-2:2009/ ISO/IEC 7816-2:2007	<i>Identification cards – Integrated circuit cards – Part 2: Cards with contacts – Dimensions and location of the contacts.</i> Specifies the dimensions and the locations for each of the contacts on an integrated circuit card of an ID-1 card type. Also provides information on the way to identify which standards define the use of the contacts. This standard is to be used in conjunction with SANS 7816-1.
SANS 7816-3:2009/ ISO/IEC 7816-3:2006	<i>Identification cards – Integrated circuit cards – Part 3: Cards with contacts – Electrical interface and transmission protocols.</i> Specifies the power and signal structures, and the information exchange between an integrated circuit card and an interface device such as a terminal. Covers signal rates, voltage levels, current values, parity convention, operating procedure, transmission mechanisms and communication with the card.
SANS 8124-1:2009/ ISO 8124-1:2009	<i>Safety of toys – Part 1: Safety aspects related to mechanical and physical properties.</i> Applies to all toys, i.e. any product or material designed or clearly intended for use in play by children under 14 years of age. It specifies acceptable criteria for structural characteristics of toys, such as shape, size, contour, spacing, as well as acceptable criteria for properties peculiar to certain categories of toy.
SANS 9712:2009/ ISO 9712:2005 (SABS ISO 9712:2000)	<i>Non-destructive testing – Qualification and certification of personnel.</i> Specifies the qualification and certification of personnel involved in non-destructive testing (NDT). <i>ISO corrigendum No. 1.</i> Corrected to replace the paragraph of footnote "b" in table 2.
SANS 10255:2009 (Ed. 2.1)	<i>Health, safety and environmental guidelines for the construction and operation of timber treatment plants. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards, to move reference to legislation to the foreword and to delete two footnotes.
SANS 10316:2009 (Ed. 1.2)	<i>Aircraft ground support – Vehicle-mounted loading equipment. Consolidated edition incorporating amendment No. 2.</i> Amended to update normative references and to move reference to legislation to the foreword.
SANS 10373-7:2009/ ISO/IEC 10373-7:2008	<i>Identification cards – Test methods – Part 7: Vicinity cards.</i> Deals with test methods, which are specific to contactless integrated circuit card technology. Applies exclusively to vicinity cards defined in SANS 15693-1 and SANS 15693-2 unless otherwise specified.
SANS 11843-1:2009/ ISO 11843-1:1997	<i>Capability of detection – Part 1: Terms and definitions. ISO corrigendum No. 1.</i> Corrected to update a definition and to amend table A.1.
SANS 11843-2:2009/ ISO 11843-2:2000	<i>Capability of detection – Part 2: Methodology in the linear calibration case. ISO corrigendum No. 1.</i> Corrected to add parts to the list of parts in the foreword, to replace normative references and to modify equations.

Standard No. and year	Title, scope and purport
SANS 14050:2009/ ISO 14050:2009 (SABS ISO 14050:2004)	<i>Environmental management – Vocabulary.</i> Defines terms of fundamental concepts related to environmental management, published in the ISO 14000 (published in South Africa as an identical adoption under the designation SANS 14000) series of International Standards.
SANS 14102:2009/ ISO/IEC 14102:2008	<i>Information technology – Guideline for the evaluation and selection of CASE tools.</i> Defines both a set of processes and a structured set of CASE tool characteristics for use in the technical evaluation and the ultimate selection of a CASE tool. Follows the software product evaluation model defined in SANS 14598-5:1998. Adopts the general model of software product quality characteristics and sub-characteristics defined in SANS 9126-1:2001 and extends these when the software product is a CASE tool; provides product characteristics unique to CASE tools. Technical evaluation indicates how well a CASE tool meets its user's stated requirements and indicates how well the tool meets its claimed functionality.
SANS 15415:2009/ ISO/IEC 15415:2004	<i>Information technology – Automatic identification and data capture techniques – Bar code print quality test specification – Two-dimensional symbols. ISO/IEC corrigendum No. 1.</i> Defines the techniques that describe the two parameters for matrix symbology: 'Modulation' and 'Reflectance Margin', and defines the parameter for process control naming 'Contrast Uniformity' in clause 7.8.4 and Annex F.
SANS 15457-1:2009/ ISO/IEC 15457-1:2008	<i>Identification cards – Thin flexible cards – Part 1: Physical characteristics.</i> Specifies the physical characteristics of thin flexible cards at two points in the card life cycle, namely, at the point of loading into the card issuing equipment and at the point of issue to the public.
SANS 19111:2009/ ISO 19111:2007	<i>Geographic information – Spatial referencing by coordinates.</i> Defines the conceptual schema for the description of spatial referencing by coordinates, optionally extended to spatio-temporal referencing. It describes the information required to change coordinates from one coordinate reference system to another.
SANS 60099-4:2009/ IEC 60099-4:2009 (Ed. 2.2)	<i>Surge arresters – Part 4: Metal-oxide surge arresters without gaps for a.c. systems. Consolidated edition incorporating amendment No. 2.</i> Amended to update definitions, to change general requirements for bending moment and for environmental tests.
SANS 60331-11:2009/ IEC 60331-11:2009 (Ed. 1.1)	<i>Tests for electric cables under fire conditions – Circuit integrity – Part 11: Apparatus – Fire alone at a flame temperature of at least 750 °C. Consolidated edition incorporating amendment No. 1. IEC amendment No. 1.</i> Amended to include samples of electric data cables and optical fibre cables, to change requirements for the source of heat, and to change the title of a figure.
SANS 60335-2-102:2009/ IEC 60335-2-102:2008 (Ed. 1.1)	<i>Household and similar electrical appliances – Safety – Part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections. Consolidated edition incorporating amendment No. 1.</i> Amended to add to the introduction, to add a cautionary statement regarding challenged persons and children, to update referenced standards, to delete definitions and to change requirements for access to live parts, leakage current and electric strength, abnormal operation and construction.
SANS 61000-3-5:2009/ IEC/TS 61000-3-5:2009	<i>Electromagnetic compatibility (EMC) – Part 3-5: Limits – Limitation of voltage fluctuations and flicker in low-voltage power supply systems for equipment with rated current greater than 75 A.</i> Applies to the emission of disturbances due to voltage fluctuations and flicker. Applicable to electrical and electronic equipment intended to be connected to a public low-voltage a.c. distribution system.
SANS 61000-4-13:2009/ IEC 61000-4-13:2009 (Ed. 1.1)	<i>Electromagnetic compatibility (EMC) – Part 4-13: Testing and measurement techniques – Harmonics and interharmonics including mains signalling at a.c. power port, low frequency immunity tests. Consolidated edition incorporating amendment No. 1.</i> Amended to delete and add text and figures relating to the 'Meister curve' test, the flat curve test and the sweep frequency test.
SANS 61000-4-14:2009/ IEC 61000-4-14:2009 (Ed. 1.2)	<i>Electromagnetic compatibility (EMC) – Part 4-14: Testing and measurement techniques – Voltage fluctuation immunity test for equipment with input current not exceeding 16 A per phase. Consolidated edition incorporating amendment No. 2.</i> Amended to change the title of the standard, convert dated to undated references, replace clauses on test levels, replace a table on the characteristics of the test generator, replace and add figures relating to the test sequences of voltage fluctuations, and add a figure on test generator verification load.
SANS 61000-4-16:2005/ IEC 61000-4-16:2002 (Ed. 1.1)	<i>Electromagnetic compatibility (EMC) – Part 4-16: Testing and measurement techniques – Test for immunity to conducted, common mode disturbances in the frequency range 0 Hz to 150 kHz. IEC amendment No. 2.</i> Amended to remove, from the scope, text relating to ITU-T Recommendations, to replace dated references by undated references, to clarify the text under 'Characteristics and performance of the generator...', to delete a note and add new text under 'Execution of the test', and to clarify text in the 'Test report'.

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 5017:1987	<i>Lactic acid or sodium lactate content of pharmaceutical solutions.</i>
SANS 5304:1975	<i>Melting points of readily powdered substances.</i>
SANS 5631:1972	<i>Determination of water absorption of leather (Kubelka apparatus).</i>
SANS 6212:1993	<i>Leather and fibreboard – Measurement of thickness.</i>
SANS 6213:1993	<i>Leatherboards or fibreboards –Collapsing load of mounded shapes.</i>
SANS 10263:1997	<i>The warehousing of dangerous goods – Enclosed storage areas and covered and uncovered outdoor storage yards.</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.