

## DEPARTMENT OF TRADE AND INDUSTRY

No. 604

3 August 2012

STANDARDS ACT, 2008  
STANDARDS MATTERS

In terms of the Standards Act, 2008 (Act No. 8 of 2008), the Council of the South African Bureau of Standards has acted in regard to standards in the manner set out in the Schedules to this notice.

All South African standards that were previously published by the South African Bureau of Standards with the prefix "SABS" have been redesignated as South African national standards and are now published by the SABS Standards Division (a division of SABS) with the prefix "SANS".

A list of all existing South African national standards was published by Government Notice No. 1373 of 8 November 2002.

In the list of SANS standards below, the equivalent SABS numbers, where applicable, are given below the new SANS numbers for the sake of convenience. Standards that were published with the "SABS" prefix are listed as such.

## SCHEDULE 1: ISSUE OF NEW STANDARDS

The standards mentioned have been issued in terms of section 16(3) of the Act.

Standard No. and year	Title, scope and purport
SANS 959-1:2012/ NRS 052-1:2012	<i>Photovoltaic systems for use in individual homes, schools and clinics - Part 1: Standardized requirements applicable to off-grid individual homes, schools and clinics.</i> Specifies requirements for the components of photovoltaic systems, based on a d.c. supply of 12 V for individual homes and photovoltaic systems as optimized for selected system sizes, based on an a.c. supply of 230 V for selected schools and clinics, as envisaged in a national programme to provide solar power to individual homes, schools and clinics.
SANS 959-2-1:2012/ NRS 052-2-1:2012	<i>Photovoltaic systems for use in individual homes, schools and clinics - Part 2-1: Test procedures for main components - Photovoltaic modules.</i> Specifies test procedures for photovoltaic modules for use in photovoltaic systems of nominal d.c. voltages 12 V, 24 V, 36 V and 48 V. The objective of the test procedures is to verify compliance with the requirements specified in NRS 052-1.
SANS 959-2-2:2012/ NRS 052-2-2:2012	<i>Photovoltaic systems for use in individual homes, schools and clinics - Part 2-2: Test procedures for main components - Batteries.</i> Specifies test procedures for batteries for use in photovoltaic systems of nominal d.c. voltage 12 V and maximum currents of up to 20 A. The objective of the test procedures is to verify compliance with the requirements specified in NRS 052-1.
SANS 959-2-3:2012/ NRS 052-2-3:2012	<i>Photovoltaic systems for use in individual homes, schools and clinics - Part 2-3: Test procedures for main components - Regulators, charge controllers and maximum power point trackers (MPPTs).</i> Specifies test procedures for regulators for use in photovoltaic systems of nominal d.c. voltage 12 V and maximum currents of up to 15 A. The test procedures may be adapted for regulators used on larger systems and voltages of 24 V, 36 V and 48 V, as envisaged for schools and clinics in NRS 052-1. The objective of the test procedures is to verify compliance with the requirements specified in NRS 052-1.
SANS 959-2-4:2012/ NRS 052-2-4:2012	<i>Photovoltaic systems for use in individual homes, schools and clinics - Part 2-4: Test procedures for main components - Inverters.</i> Specifies test procedures for inverters for use in photovoltaic systems of nominal d.c. voltages 12 V, 24 V, 36 V and 48 V and maximum currents of up to 15 A.
SANS 959-2-5:2012/ NRS 052-2-5:2012	<i>Photovoltaic systems for use in individual homes, schools and clinics - Part 2-5: Test procedures for main components - Luminaires.</i> Specifies test procedures for luminaires for use in photovoltaic systems of nominal d.c. voltage 12 V and maximum currents of up to 15 A as envisaged in NRS 052-1. The tests may be adapted for luminaires and lamps of 24 V, 36 V and 48 V. The objective of the test procedure is to verify compliance with the requirements specified in NRS 052-1.
SANS 959-3:2012/ NRS 052-3:2012	<i>Photovoltaic systems for use in individual homes, schools and clinics - Part 3: Standardized requirements applicable to the installation and maintenance of off-grid systems in individual homes, schools and clinics.</i> Specifies requirements for the installation and maintenance of photovoltaic systems, based on a d.c. of 12 V, as envisaged in a national programme to provide solar power to individual homes, schools and clinics.
SANS 1197:2012	<i>Tourism service excellence.</i> Establishes standards and practices for planning, developing, implementing, maintaining, improving and recognizing service excellence in the sub-sectors and organizations that constitute the tourism value chain.
SANS 1221-1:2012	<i>Skin cleansers - Part 1: Detergent skin cleansers.</i> Specifies the characteristics of two types of detergent skin cleanser suitable for use in detergent dispensers.
SANS 1245:2012	<i>Non-woven cleaning wipes.</i> Specifies requirements for non-woven cleaning wipes.
SANS 1301:2012	<i>140 L Mobile refuse bins.</i> Covers requirements for mobile refuse bins of thermoplastic material and of nominal capacity 140 L that are provided with wheels for manual handling and are intended for use with mechanical lifting and tipping equipment.

Standard No. and year	Title, scope and purport
SANS 1328:2012/ IEEE 433:2009	<i>Recommended practice for insulation testing of AC electric machinery with high voltage at very low frequency.</i> Describes very low frequency (VFL) testing of a.c. electric machines. Covers acceptance testing of new machines in the factory or on-site after erection and the routine maintenance testing of machines that have been in service.
SANS 1524-4:2012/ NRS 009-4:2012	<i>Electricity payment systems - Part 4: Payment electricity meter cards.</i> Specifies characteristics and minimum requirements of national payment electricity meter cards which, for the purpose of a transaction, uniquely identify the payment metering equipment allocated to a customer. Takes into account both human and machine aspects.
SANS 2001-BE3:2012	<i>Construction works - Part BE3: Repair of sinkholes and subsidences in dolomite land.</i> Describes standard requirements for the repair of sinkholes and subsidences in dolomite land.
SANS 3000-2-2-1:2012/ RSR 2-2-1:2012	<i>Railway safety management - Part 2-2-1: Technical requirements for engineering and operational standards - Track, civil and electrical infrastructure - Level crossings.</i> Supersedes and replaces existing agreements between network operators and the relevant road authorities (national, provincial and local), and private road owners with respect to existing level crossings. Applies to network operators, road authorities and private road owners. Clarifies the roles of road authorities in respect of their responsibilities in terms of level crossing safety. Applies to proposed new level crossings, and the modification, elimination or decommissioning of existing level crossings. Can only be used in conjunction with SANS 3000-2-1 and SANS 3000-2-2.
SANS 3001-AG10:2012	<i>Civil engineering test methods - Part AG10: ACV (aggregate crushing value) and 10% FACT (fines aggregate crushing test) values of coarse aggregates.</i> Describes a method for determining the aggregate crushing value and the 10 % fines aggregate crushing test values in a dry or wet condition of a prepared aggregate sample, by measuring the fines generated by a load of 400 kN and the load required to crush the fraction of the aggregate passing the 14 mm sieve and retained on the 10 mm sieve, to the extent that 10 % of the sample, after crushing, passes a 2 mm sieve.
SANS 3697:2012/ ASTM D 3697:2007	<i>Standard test method for antimony in water.</i> Covers the determination of dissolved and total recoverable antimony in water by atomic absorption spectroscopy. Applicable in the range from 1 to 15 µg/L of antimony.
SANS 3859:2012/ ASTM D 3859:2008	<i>Standard test methods for selenium in water.</i> Covers the determination of dissolved and total recoverable selenium in most waters and wastewaters. Applicable to both inorganic and organic forms of dissolved selenium. Applicable also to particulate forms of the element, provided that they are solubilized in the appropriate acid digestion step.
SANS 10523:2012/ ISO 10523:2008	<i>Water quality - Determination of pH.</i> Specifies a method for determining the pH value in rain, drinking and mineral waters, bathing waters, surface and ground waters, as well as municipal and industrial waste waters, and liquid sludge, within the range pH 2 to pH 12 with an ionic strength below $I = 0,3$ mol/kg solvent and in the temperature range 0 °C to 50 °C.
SANS 13850:2012/ ISO 13850:2006	<i>Safety of machinery - Emergency stop - Principles for design.</i> Specifies functional requirements and design principles for the emergency stop function on machinery, independent of the type of energy used to control the function.
SANS 13998:2012/ ISO 13998:2003	<i>Protective clothing - Aprons, trousers and vests protecting against cuts and stabs by hand knives.</i> Applies to protective aprons, trousers and vests for use with hand knives, and to other garments providing similar protection to parts of the body in accidents. Specifies requirements for the design, penetration resistance, cut resistance, sizing, ergonomic characteristics, innocuousness, water permeability, cleaning and disinfection, marking and information to be supplied by the manufacturer for users of protective aprons, trousers and vests. Describes the classification of protection levels and appropriate test methods.
SANS 15779:2012/ ISO 15779:2011	<i>Condensed aerosol fire extinguishing systems - Requirements and test methods for components and system design, installation and maintenance - General requirements.</i> Specifies requirements and test methods for the components and gives recommendations for the design, installation, testing, maintenance and safety of condensed aerosol fire fighting systems in buildings, plants or other structures, and the characteristics of the extinguishants and types of fire for which they are a suitable extinguishing medium. Covers total flooding systems primarily related to buildings, plant and other specific applications, utilizing electrically non-conducting condensed aerosol fire extinguishants for which there are sufficient data currently available to enable validation of performance characteristics by an appropriate independent authority.
SATS 17575-2:2012/ ISO/TS 17575-2:2010	<i>Electronic fee collection - Application interface definition for autonomous systems - Part 2: Communication and connection to the lower layers.</i> Defines how to convey all or parts of the data element structure over any communication stack and media suitable for this application. Is focussed on mobile communication links. Wired links use the same methodology.
SANS 17640:2012/ ISO 17640:2010	<i>Non-destructive testing of welds - Ultrasonic testing - Techniques, testing levels, and assessment.</i> Specifies techniques for the manual ultrasonic testing of fusion-welded joints in metallic materials of thickness greater than or equal to 8 mm which exhibit low ultrasonic attenuation (especially due to scatter) at object temperatures from 0 °C to 60 °C.
SATR 27008:2012/ ISO/IEC TR 27008:2011	<i>Information technology - Security techniques - Guidelines for auditors on information security controls.</i> Provides guidance on reviewing the implementation and operation of controls, including technical compliance checking of information system controls, in compliance with an organization's established information security standards. Applies to all types and sizes of organizations, including public and private companies, government entities, and not-for-profit organizations conducting information security reviews and technical compliance checks. Is not intended for management systems audits.

Standard No. and year	Title, scope and purport
SANS 27031:2012/ ISO/IEC 27031:2011	<i>Information technology - Security techniques - Guidelines for information and communication technology readiness for business continuity.</i> Describes the concepts and principles of information and communication technology (ICT) readiness for business continuity, and provides a framework of methods and processes to identify and specify all aspects (such as performance criteria, design, and implementation) for improving an organization's ICT readiness to ensure business continuity. Applies to any organization (private, governmental and non-governmental, irrespective of size) developing its ICT readiness for business continuity (IRBC) program, and requiring its ICT services/infrastructures to be ready to support business operations in the event of emerging events and incidents, and related disruptions, that could affect continuity (including security) of critical business functions. Enables an organization to measure performance parameters that correlate to its IRBC in a consistent and recognized manner.
SANS 27033-3:2012/ ISO/IEC 27033-3:2010	<i>Information technology - Security techniques - Network security - Part 3: Reference networking scenarios - Threats, design techniques and control issues.</i> Describes the threats, design techniques and control issues associated with reference network scenarios. Provides detailed guidance on security threats and the security design techniques and controls required to mitigate the associated risks.
SANS 52004:2012/ EN 12004:2007	<i>Adhesives for tiles - Requirements, evaluation of conformity, classification and designation.</i> Covers ceramic tile adhesives for internal and external tile installations on walls, floors and ceilings.
SANS 60079-29-4:2012/ IEC 60079-29-4:2009	<i>Explosive atmospheres - Part 29-4: Gas detectors - Performance requirements of open path detectors for flammable gases.</i> Specifies performance requirements of equipment for the detection and measuring of flammable gases or vapours in ambient air by measuring the spectral absorption by the gases or vapours over extended optical paths, ranging typically from one metre to a few kilometres.
SANS 60357:2012	<i>Tungsten halogen lamps (non-vehicle) - Performance requirements.</i> Specifies performance requirements for single-capped and double-capped tungsten halogen lamps that have rated voltages of up to 250 V.
SANS 60601-1-11:2012/ IEC 60601-1-11:2010	<i>Medical electrical equipment - Part 1-11: General requirements for basic safety and essential performance - Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment.</i> Specifies the basic safety and essential performance of medical electrical equipment and medical electrical systems which are intended by their manufacturer for use in the home healthcare environment, regardless of whether the medical electrical equipment or medical electrical system is intended for use by a lay operator or by trained healthcare personnel.
SANS 60601-2-34:2012/ IEC 60601-2-34:2011	<i>Medical electrical equipment - Part 2-34: Particular requirements for the basic safety and essential performance of invasive blood pressure monitoring equipment.</i> Applies to basic safety and essential performance of invasive blood pressure monitoring equipment. Can only be used in conjunction with SANS 60601-1.
SANS 61000-3-15:2012/ IEC/TR 61000-3-15:2011	<i>Electromagnetic compatibility (EMC) - Part 3-15: Limits - Assessment of low frequency electromagnetic immunity and emission requirements for dispersed generation systems in LV network.</i> Is concerned with the critical assessment of existing and emerging national and international standards for single and multi-phase dispersed generation systems up to 75 A per phase, particularly converters connected to the public supply low voltage network, to serve as a starting point and to ultimately pave the way for the definition of appropriate EMC requirements and test conditions. Is limited to EMC issues (immunity and emission) up to 9 kHz and does not include other aspects of connection of generators to the grid.
SANS 61400-1:2012/ IEC 61400-1:2005	<i>Wind turbines - Part 1: Design requirements.</i> Specifies essential design requirements to ensure the engineering integrity of wind turbines. Provides an appropriate level of protection against damage from all hazards during the planned lifetime.
SATR 61439-0:2012/ IEC/TR 61439-0:2010	<i>Low-voltage switchgear and controlgear assemblies - Part 0: Guidance to specifying assemblies.</i> Identifies, from the user's perspective, functions and characteristics that should be defined when assemblies are specified.
SANS 61850-5:2012/ IEC 61850-5:2003	<i>Communication networks and systems in substations - Part 5: Communication requirements for functions and device models.</i> Applies to Substation Automation Systems (SAS). Standardizes the communication between intelligent electronic devices (IEDs) and the related system requirements.
SANS 61850-6:2012/ IEC 61850-6:2009	<i>Communication networks and systems for power utility automation - Part 6: Configuration description language for communication in electrical substations related to IEDs.</i> Specifies a file format for describing communication-related IED (Intelligent Electronic Device) configurations and IED parameters, communication system configurations, switch yard (function) structures, and the relations between them.
SANS 61850-7-2:2012/ IEC 61850-7-2:2010	<i>Communication networks and systems for power utility automation - Part 7-2: Basic information and communication structure - Abstract communication service interface (ACSI).</i> Applies to the ACSI communication for utility automation.
SANS 61850-7-3:2012/ IEC 61850-7-3:2010	<i>Communication networks and systems for power utility automation - Part 7-3: Basic communication structure - Common data classes.</i> Specifies common attribute types and common data classes related to substation applications.
SANS 61850-7-410:2012/ IEC 61850-7-410:2007	<i>Communication networks and systems for power utility automation - Part 7-410: Hydroelectric power plants - Communication for monitoring and control.</i> Specifies the additional common data classes, logical nodes and data objects required for the use of IEC 61850 (published in South Africa as an identical adoption under the designation SANS 61850) in a hydropower plant.

Standard No. and year	Title, scope and purport
SANS 61850-7-420:2012/ IEC 61850-7-420:2009	<i>Communication networks and systems for power utility automation - Part 7-420: Basic communication structure - Distributed energy resources logical nodes.</i> Defines the IEC 61850 (published in South Africa as an identical adoption under the designation SANS 61850) information models to be used in the exchange of information with distributed energy resources (DER), which comprise dispersed generation devices and dispersed storage devices, including reciprocating engines, fuel cells, microturbines, photovoltaics, combined heat and power, and energy storage.
SANS 61850-8-1:2012/ IEC 61850-8-1:2011	<i>Communication networks and systems for power utility automation - Part 8-1: Specific communication service mapping (SCSM) - Mappings to MMS (ISO 9506-1 and ISO 9506-2) and to ISO/IEC 8802-3.</i> Specifies a method of exchanging time-critical and non-time-critical data through local-area networks by mapping ACSI to MMS and ISO/IEC 8802-3 frames.
SANS 61850-9-1:2012/ IEC 61850-9-1:2003	<i>Communication networks and systems in substations - Part 9-1: Specific Communication Service Mapping (SCSM) - Sampled values over serial unidirectional multidrop point to point link.</i> Specifies the specific communication service mappings for the communication between bay and process level and it specifies a mapping on a serial unidirectional multidrop point to point link in accordance with IEC 60044-8 (published in South Africa as an identical adoption under the designation SANS 60044-8).
SANS 61850-9-2:2012/ IEC 61850-9-2:2011	<i>Communication networks and systems for power utility automation - Part 9-2: Specific communication service mapping (SCSM) - Sampled values over ISO/IEC 8802-3.</i> Defines the specific communication service mapping (SCSM) for the transmission of sampled values according to the abstract specification in IEC 61850-7-2 (published in South Africa as an identical adoption under the designation SANS 61850-7-2).
SANS 61850-10:2012/ IEC 61850-9-2:2005	<i>Communication networks and systems in substations - Part 10: Conformance testing.</i> Specifies standard techniques for testing of conformance of implementations, as well as specific measurement techniques to be applied when declaring performance parameters.
SANS 61850-80-1:2012/ IEC/TS 61850-80-1:2008	<i>Communication networks and systems for power utility automation - Part 80-1: Guideline to exchanging information from a CDC-based data model using IEC 60870-5-101 or IEC 60870-5-104.</i> Gives a guideline on how to exchange information from a CDC-based data model (for example IEC 61850 (published in South Africa as an identical adoption under the designation SANS 61850)) using IEC 60870-5-101 or IEC 60870-5-104 between substation(s) and control centre(s).
SANS 61850-90-1:2012/ IEC/TR 61850-90-1:2010	<i>Communication networks and systems for power utility automation - Part 90-1: Use of IEC 61850 for the communication between substations.</i> Provides a comprehensive overview on the different aspects that need to be considered while using IEC 61850 (published in South Africa as an identical adoption under the designation SANS 61850) for information exchange between substations.
SANS 62109-1:2012/ IEC 62109-1:2010	<i>Safety of power converters for use in photovoltaic power systems - Part 1: General requirements.</i> Applies to the power conversion equipment (PCE) for use in photovoltaic (PV) systems where a uniform technical level with respect to safety is necessary. Defines the minimum requirements for the design and manufacture of PCE for protection against electric shock, energy, fire, mechanical and other hazards. Provides general requirements applicable to all types of PV PCE.
SANS 62271-103:2012/ IEC 62271-103:2011	<i>High-voltage switchgear and controlgear - Part 103: Switches for rated voltages above 1 kV up to and including 52 kV.</i> Is applicable to three-phase, alternating current switches and switch-disconnectors for their switching function, having making and breaking current ratings, for indoor and outdoor installations, for rated voltages above 1 kV up to and including 52 kV and for rated frequencies from 16 and two thirds Hz up to and including 60 Hz. Can only be used in conjunction with SANS 62271-1.
SANS 62271-106:2012/ IEC 62271-106:2011	<i>High-voltage switchgear and controlgear - Part 106: Alternating current contactors, contactor-based controllers and motor-starters.</i> Is applicable to a.c. contactors or contactor-based (or both) controllers and motor-starters designed for indoor installation and operation at frequencies up to and including 60 Hz on systems having voltages above 1 000 V but not exceeding 24 000 V. Can only be used in conjunction with SANS 62271-1.
SANS 62282-7-1:2012/ IEC/TS 62282-7-1:2010	<i>Fuel cell technologies - Part 7-1: Single cell test methods for polymer electrolyte fuel cell (PEFC).</i> Covers cell assemblies, test apparatus, measuring instruments and measuring methods, performance test methods, and test reports for PEFC single cells. Is used for evaluating the performance of membrane electrode assemblies (MEAs) for PEFCs, materials or structures of other components of PEFCs, and the influence of impurities in fuel or in air (or both) on the fuel cell performance.
SANS 62386-209:2012/ IEC 62386-209:2011	<i>Digital addressable lighting interface - Part 209: Particular requirements for control gear - Colour control (device type 8).</i> Specifies a protocol and test procedures for the control by digital signals of electronic control gear that can change their light colour.
SANS 62386-210:2012/ IEC 62386-210:2011	<i>Digital addressable lighting interface - Part 210: Particular requirements for control gear - Sequencer (device type 9).</i> Specifies a protocol and test procedures for the control by digital signals of electronic control gear working as automatic sequencers.
SANS 301179:2012/ ETSI EN 301179:2001	<i>Fixed Radio Systems; Point-to-multipoint equipment; Frequency Hopping Code Division Multiple Access (FH-DMA); Point-to-multipoint Digital Radio Relay Systems (DRRS) in the bands within the range 1 GHz to 3 GHz.</i> Covers typical Point-to-Multipoint applications, delivered directly or indirectly, or in any superimposed transport network layer for voice, fax, voiceband data, telex, data up to 64 kbits/s, ISDN and internet access in the frequency band of 1 GHz to 3 GHz using the Frequency Hopping - Code Division Multiple Access (FH-CDMA) systems.

Standard No. and year	Title, scope and purport
SANS 302755:2012/ ETSI EN 302755:2011	<i>Digital Video Broadcasting (DVB): Frame structure channel coding and modulation for a second generation digital terrestrial television broadcasting system (DVB-T2)</i> . Describes a second generation baseline transmission system for digital terrestrial television broadcasting. Specifies the channel coding/modulation system intended for digital television services and generic data streams.

## 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 98:2012 (Ed. 1.1)	<i>Ingredient labelling of cosmetic products. Consolidated edition incorporating amendment No. 1</i> . Amended to update the footnotes on contact details for normative references, to add parfum or aroma to the order of declaration in the clause on specific requirements and to renumber the items accordingly, to add a subclause on parfum and aroma ingredients in the clause on specific cases, to update the annex on examples of ingredient labelling that use the EU and harmonized INCI nomenclature, to update the annex on the listing of ingredients, and to update the bibliography.
SANS 142:2012 (Ed. 2.3)	<i>Narrow elastic fabrics and strip. Consolidated edition incorporating amendment No. 3</i> . Amended to change the designation of SABS standards to SANS standards, and to delete the reference to the Fibre Technology Standards Department of the South African Bureau of Standards.
SANS 164-0:2012 (Ed. 1.2)	<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. 2</i> . Amended to change the requirements for surge protective devices, and to provide drawings to illustrate common mode and differential mode surge protection. Can only be used in conjunction with SANS 60884-1.
SANS 164-2:2012 (Ed. 3.1)	<i>Plug and socket-outlet systems for household and similar purposes for use in South Africa - Part 2: IEC system, 16 A 250 V a.c. Consolidated edition incorporating amendment No. 1</i> . Amended to align the standard with the requirements in IEC 60906-1 and SANS 60884-1. Can only be used in conjunction with SANS 164-0.
SANS 198:2012 (Ed. 5.1)	<i>Functional-control valves and safety valves for domestic hot and cold water supply systems. Consolidated edition incorporating amendment No. 1</i> . Amended to add requirements for colour identification and marking.
SANS 208:2012 (Ed. 1.1)	<i>The design and installation of compressed natural gas (CNG) vehicle filling stations. Consolidated edition incorporating amendment No. 1</i> . Amended to move reference to national legislation and national departments to the foreword, and to update referenced standards.
SANS 214-1:2009/ CISPR 14-1:2009 (Ed. 3.1)	<i>Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission. CISPR amendment No. 2</i> . Amended to add induction cooking appliances to the scope of the standard, with subsequent changes and additions to the text.
SANS 216-4-2:2012/ CISPR 16-4-2:2011 (SANS 216-4-2:2004)	<i>Specification for radio disturbance and immunity measuring apparatus and methods - Part 4-2: Uncertainties, statistics and limit modelling - Measurement instrumentation uncertainty</i> . Specifies the method of applying measurement instrumentation uncertainty (MIU) when determining compliance with CISPR disturbance limits. The material is also relevant to any EMC test when interpretation of the results and conclusions reached will be impacted by the uncertainty of the measurement instrumentation used during testing.
SANS 223:2012 (Ed. 3.2)	<i>Writing equipment - Coloured chalks and pastels. Consolidated edition incorporating amendment No. 2</i> . Amended to move reference to national legislation to the foreword.
SANS 289:2012 (Ed. 1.4)	<i>Labelling requirements for prepackaged products (prepackages) and general requirements for the sale of goods subject to legal metrology control. Consolidated edition incorporating amendment No. 4</i> . Amended to update labelling requirements for prepackaged products (clause 5.1), clarify a requirement for prepacked gas cylinders (5.3.6), update requirements for the declaration of the net quantity (A.4), and to update requirements in the annex on the manner of expressing the quantity and prescribed quantities for certain products (annex E).
SANS 314:2012/ISO 707:2008 (SANS 314:2005)	<i>Milk and milk products - Guidance on sampling</i> . Gives guidance on methods of sampling milk and milk products for microbiological, chemical, physical and sensory analysis.
SANS 315:2012/ ISO 1211:2010 (SANS 315:2005)	<i>Milk - Determination of fat content - Gravimetric method (Reference method)</i> . Specifies the reference method for the determination of the fat content of milk of good physicochemical quality. Applies to raw cow milk, raw sheep milk, raw goat milk, reduced fat milk, skimmed milk, chemically preserved milk, and processed liquid milk. Does not apply when greater accuracy is required for skimmed milk, e.g. to establish the operating efficiency of cream separators.
SANS 318:2012/ ISO 1736:2008 (SANS 318:2005)	<i>Dried milk and dried milk products - Determination of fat content - Gravimetric method (Reference method)</i> . Specifies the reference method for the determination of the fat content of dried milk and dried milk products. Applies to dried milk with a fat content of 40 % mass fraction or more, dried whole, dried partially skimmed, and dried skimmed milk, dried whey, dried buttermilk and dried butter serum.
SANS 344:2012 (Ed. 1.1)	<i>Dynamic measuring devices and systems for cryogenic liquids. Consolidated edition incorporating amendment No. 1</i> . Amended to make provision for an in-service maximum permissible error on measuring systems, add information on in-service inspections and in-service inspection tests and to move reference to legislation to the foreword.

Standard No. and year	Title, scope and purport
SANS 347:2012 (SANS 347:2010)	<i>Categorization and conformity assessment criteria for all pressure equipment.</i> Specifies the criteria to be used for the categorization and conformity assessment and the selection of health and safety standards of pressure equipment (metallic and non-metallic) for use by but limited to the manufacturer, users, certification bodies and approved inspection authorities. Is also applicable to the certification, re-certification, modification or repair of pressure equipment (metallic and non-metallic), as defined by the relevant statutory regulations for pressure equipment.
SANS 470:2012 (Ed. 4.1)	<i>Concrete poles for telephone, power and lighting purposes. Consolidated edition incorporating amendment No. 1.</i> Amended to move reference to national legislation to the foreword, and to update referenced standards.
SANS 508:2012 (Ed. 1.1)	<i>Concrete retaining blocks. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 542:2012 (Ed. 4.1)	<i>Concrete roofing tiles. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 549:2012 (Ed. 1.1)	<i>Shower enclosures for domestic purposes. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards, to update the requirements for materials and to renumber the subclauses accordingly, to correct the figure on test shower head, and to add an informative annex on the area and mass requirements of frameless shower panels and doors.
SANS 815-1:2012 (Ed. 1.3)	<i>Shoulder-ended and groove-ended piping systems - Part 1: Shoulder-ended steel pipes, fittings and couplings. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards.
SANS 986:2012 (Ed. 3.2)	<i>Precast reinforced concrete culverts. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 1024:2012 (Ed. 2.2)	<i>Welded steel fabric for reinforcement of concrete. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 1082:2012 (SABS 1082:2001)	<i>Disinfectants based on phenolics.</i> Specifies requirements for disinfectants based on phenolics which are miscible with water and intended for use on inanimate surfaces that are free from excessive dirt.
SANS 1237:2012 (Ed. 3.2)	<i>Single-stage regulators for liquefied petroleum gas (LPG). Consolidated edition incorporating amendment No. 2.</i> Amended to modify the requirement for the minimum flow rate.
SANS 1375:2012 (Ed. 3.2)	<i>Textile floor coverings (pile construction). Consolidated edition incorporating amendment No. 2.</i> Amended to delete a withdrawn standard, SANS 6161, and to update footnotes.
SANS 1415:2012 (Ed. 2.3)	<i>Textile floor coverings (needle-punched construction). Consolidated edition incorporating amendment No. 3.</i> Amended to delete a withdrawn standard, SANS 6161.
SANS 1449:2012 (Ed. 2.2)	<i>Ceramic wall and floor tiles. Consolidated edition incorporating amendment No. 2.</i> Amended to update a referenced standard.
SANS 1539:2012 (SANS 1539:2008)	<i>Appliances operating on liquefied petroleum gas (LPG) or natural gas (NG) - Safety aspects.</i> Covers the safety aspects of appliances that operate on liquefied petroleum gas or natural gas at a consumption rate not exceeding 10 kg/h for appliances operating on LPG and 500 MJ/h for appliances operating on NG and used in conjunction with refillable petroleum gas (LPG) cylinders. Also covers appliances where the gas supply is direct from a non-refillable cartridge.
SANS 1557:2012 (Ed. 3.1)	<i>Sunscreen products. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards, and to modify the table on permitted UV filters.
SANS 1581:2012 (Ed. 1.3)	<i>Erasers made from plasticized PVC. Consolidated edition incorporating amendment No. 3.</i> Amended to delete the note citing a reflectance meter standard.
SANS 1623:2012 (Ed. 1.1)	<i>Conveyor chains and their attachments (British series). Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the information in the foreword with regard to SANS 1977, to update the definition of "acceptable", and to update referenced standards.
SANS 1804-1:2012 (Ed. 2.1)	<i>Induction motors - Part 1: IEC requirements. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards
SANS 1804-2:2012 (Ed. 1.5)	<i>Induction motors - Part 2: Low-voltage three-phase standard motors. Consolidated edition incorporating amendment No. 5.</i> Amended to update referenced standards.
SANS 1804-3:2012 (Ed. 1.2)	<i>Induction motors - Part 3: Low-voltage three-phase intermittently-rated wound-rotor motors. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 1804-4:2012 (Ed. 1.2)	<i>Induction motors - Part 4: Single-phase induction motors. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 1808-53:2012 (Ed. 1.3)	<i>Water supply and distribution system components - Part 53: Drain cocks for hot-water storage containers. Consolidated edition incorporating amendment No. 3.</i> Amended to update the list of parts in the foreword, and to modify the apparatus and procedure requirements for the durability test of shut-off arrangement.
SANS 1827:2012 (Ed. 1.4)	<i>The safety of water treatment chemicals for use in the food industry. Consolidated edition incorporating amendment No. 4.</i> Amended to update a referenced standard.
SANS 2001-CC1:2012 (Ed. 1.1)	<i>Construction works - Part CC1: Concrete works (structural). Consolidated edition incorporating amendment No. 1.</i> Amended to move reference to a national authority to the foreword, and to update referenced standards.

Standard No. and year	Title, scope and purport
SANS 2001-CM1:2012 (Ed. 1.1)	<i>Construction works - Part CM1: Masonry walling. Consolidated edition incorporating amendment No. 1.</i> Amended to update a referenced standard.
SANS 2446:2012/ ISO 2446:2008 (SANS 2446:2005)	<i>Milk - Determination of fat content.</i> Specifies the Gerber method for the determination of the fat content of milk and includes guidance on the determination of the appropriate capacity of the milk pipette and on the determination of the corrections to apply to the results if the milk is not of average fat content. The method is applicable to liquid milk, whole or partially skimmed, raw or pasteurized. With modifications, details of which are given, it is also applicable to milk containing certain preservatives, milk that has undergone the process of homogenization, in particular sterilized milk and ultra heat-treated (UHT) milk, and skimmed milk.
SANS 5003:2012 (SABS SM 3:1987)	<i>The determination of the sterility of liquids and solid materials.</i> Covers the procedure to determine the sterility of liquids and solid materials. Also covers the preparation of the samples and the media required.
SANS 5576:2012 (SANS 5576:2003)	<i>Pesticides - Biological evaluation of the efficacy of insecticidal space sprays in aerosol dispensers.</i> Describes a procedure for determining, by biological evaluation, the efficacy of insecticidal space sprays in aerosol dispensers.
SANS 5689:2012 (SABS SM 689:2002)	<i>Pesticides - Biological evaluation of the direct spray knockdown and killing properties of liquids and aerosol dispensers.</i> Describes a method for conducting biological evaluation tests of liquid and aerosol formulations.
SANS 5764:2012 ISO 5764:2009 (SANS 5764:2005)	<i>Milk - Determination of freezing point - Thermistor cryoscope method (Reference method).</i> Specifies a reference method for the determination of the freezing point of raw bovine milk, heat-treated whole, reduced fat and skimmed bovine milk, as well as raw ovine and caprine milk, by using a thermistor cryoscope.
SANS 5807:2012 (SABS SM 807:1979)	<i>Rooms, conditions, equipment, and insects and their handling, for use in pesticide testing.</i> Specifies the test rooms, test conditions, test equipment, test insects and their handling, for use in pesticide testing.
SANS 5943:2012 ISO 5943:2006 (SANS 5943:2005)	<i>Cheese and processed cheese products - Determination of chloride content - Potentiometric titration method.</i> Specifies a potentiometric titration method for the determination of the chloride content of cheese and processed cheese products. Applies to all cheeses and processed cheese products containing more than 0,2 % (mass fraction) of chloride ion.
SANS 6211-1:2012 (Ed. 2.1)	<i>Domestic solar water heaters - Part 1: Thermal performance using an outdoor test method. Consolidated edition incorporating amendment No. 1.</i> Amended to change the equation for calculating overnight heat loss.
SANS 6239:2012 (Ed. 2.1)	<i>Aggregate impact value of coarse aggregate. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 6731:2012/ ISO 6731:2010 (SANS 6731:2005)	<i>Milk, cream and evaporated milk - Determination of total solids content (Reference method).</i> Specifies the reference method for the determination of the total solids content of milk, cream and evaporated milk.
SANS 9798-6:2012/ ISO/IEC 9798-6:2010 (SANS 9798-6:2007)	<i>Information technology - Security techniques - Entity authentication - Part 6: Mechanisms using manual data transfer.</i> Specifies eight entity authentication mechanisms based on manual data transfer between authenticating devices. Indicates how these mechanisms can be used to support key management functions, and provides guidance on secure choices of parameters for the mechanisms.
SANS 10021:2012 (Ed. 3.3)	<i>The waterproofing of buildings (including damp-proofing and vapour barrier installation). Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards, to delete a reference to an asbestos-based product, and to correct cross references.
SANS 10062:2012 (Ed. 2.3)	<i>Fixing of concrete interlocking roofing tiles. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards.
SANS 10087-10:2012 (Ed. 1.2)	<i>The handling, storage, distribution and maintenance of liquefied petroleum gas in domestic, commercial and industrial installations - Part 10: Mobile filling stations for refillable liquefied petroleum gas (LPG) containers of capacity not exceeding 9 kg. Consolidated edition incorporating amendment No. 2.</i> Amended to change location and functional requirements.
SANS 10142-1:2012 (Ed. 1.8)	<i>The wiring of premises - Part 1: Low-voltage installations. Consolidated edition incorporating amendment No. 8.</i> Amended to update referenced standards, to add requirements for the installation of CFL lighting, to introduce a label to be fitted to distribution boards to indicate the position of the earthing terminal for bonding of other services, to add a warning related to the type and rating of replacement components of distribution boards, to require that new, added or altered installations comply with this part of SANS 10142, to change the requirements for voltage at available load, and to apply changes to the test report.
SANS 10154-2:2012 (Ed. 1.3)	<i>Calibration of pure-tone audiometers - Part 2: Bone conduction. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards.
SANS 10252-1:2012 (SANS 10252-1:2004)	<i>Water supply and drainage for buildings - Part 1: Water supply installations for buildings.</i> Establishes general principles for the design, installation and testing of water installations for buildings.
SANS 10249:2012 (Ed. 1.2)	<i>Masonry walling. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards, and to delete certain definitions.
SANS 10297:2012 (Ed. 1.2)	<i>The reconditioning of external LPG cylinder valves. Consolidated edition incorporating amendment No. 2.</i> Amended to delete the definitions for "inspection authority" and "required", and to renumber the remaining definitions accordingly.
SANS 10305-1:2012 (Ed. 1.2)	<i>Painting of buildings - Part 1: Paint and paint selection. Consolidated edition incorporating amendment No. 2.</i> Amended to correct the unit for thickness in the subclause on intermediate coat, and to correct the wording in the index.



Standard No. and year	Title, scope and purport
SANS 10305-2:2012 (Ed. 1.2)	<i>Painting of buildings - Part 2: Paint application and defects. Consolidated edition incorporating amendment No. 2.</i> Amended to move reference to national legislation to the foreword, and to remove duplicate information in the table on paint defects in the dry film.
SANS 10305-3:2012 (Ed. 1.2)	<i>Painting of buildings - Part 3: Paint types. Consolidated edition incorporating amendment No. 2.</i> Amended to delete the reference for two-pack coal-tar epoxy coatings in the table on specialized coatings, and to update referenced standards.
SANS 10305-4:2012 (Ed. 1.2)	<i>Painting of buildings - Part 4: Painting of walls, ceilings and cladding. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 10305-5:2012 (Ed. 1.2)	<i>Painting of buildings - Part 5: Painting of roofs and steel structures. Consolidated edition incorporating amendment No. 2.</i> Amended to change the note to the table on on-site pretreatment and priming of non-ferrous metals and stainless steel (table 3) into footnote 1, and to update referenced standards.
SANS 10305-6:2012 (Ed. 1.2)	<i>Painting of buildings - Part 6: Painting of wood. Consolidated edition incorporating amendment No. 2.</i> Amended to move reference to national legislation to the foreword, and to correct a description in the table on primers for wood.
SANS 10366:2012 (Ed. 2.1)	<i>Health and safety at events - Requirements. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards, to correct cross-references, to change the title of a subclause in the clause on transport and traffic management and to replace the term 'fork lift trucks' with the term 'lift trucks', to delete a subclause in the clause on structures, to replace the term 'emergency care practitioners' with the term 'emergency care personnel', and to update general requirements for the medical facility in the clause on medical and emergency care management.
SANS 10373-3:2012/ ISO/IEC 10373-3:2010 (SANS 10373-3:2004)	<i>Identification cards - Test methods - Part 3: Integrated circuit cards with contacts and related interface devices.</i> Defines test methods for characteristics of integrated circuit cards with contacts and related interface devices. Each test method is cross-referenced to one or more base standards.
SANS 10373-6:2012/ ISO/IEC 10373-6:2011 (SANS 10373-6:2004)	<i>Identification cards - Test methods - Part 6: Proximity cards.</i> Defines test methods for characteristics of identification cards. Each test method is cross-referenced to one or more base standards.
SANS 10378:2012 (SANS 10378:2005)	<i>General requirements for the competence of verification laboratories.</i> Specifies the general requirements for the competence of laboratories to carry out the verification of measuring instruments. It applies to all organizations that perform verification of measuring instruments, and to all verification laboratories, regardless of the number of personnel or the extent of the scope of the verification activities.
SANS 10391:2012 (Ed. 1.1)	<i>The welfare of wild animals transported by sea. Consolidated edition incorporating amendment No. 1.</i> Amended to move reference to national legislation to the foreword, and to update referenced standards.
SANS 10399:2012 (Ed. 1.1)	<i>Quality management systems - Requirements for bus operators. Consolidated edition incorporating amendment No. 1.</i> Amended to move references to South African legislation in the text to the foreword.
SANS 10400-N:2012 (Ed. 3.1)	<i>The application of the National Building Regulations - Part N: Glazing. Consolidated edition incorporating amendment No. 1.</i> Amended to update the list of parts in the foreword, to make annex A informative, to update referenced standards, to modify the requirements for glazing systems, for fire and energy, for wind and impact loads, for glazing materials in walls of lift enclosures, and for safety glazing (and to renumber subclauses accordingly), to add requirements for an occupancy class, and to update the table on dimensions for flat frameless glass shower enclosures.
SANS 11204:2012/ ISO 11204:2010 (SANS 11204:1995)	<i>Acoustics - Noise emitted by machinery and equipment - Determination of emission sound pressure levels at a work station and at other specified positions applying accurate environmental corrections.</i> Specifies a method for determining the emission sound pressure levels of machinery or equipment, at a work station and at other specified positions nearby, in any environment which meets certain qualification requirements.
SANS 11801:2012/ ISO/IEC 11801:2011 (Ed. 2.2)	<i>Information technology - Generic cabling for customer premises. Consolidated edition incorporating ISO/IEC amendment No. 2.</i> Amended to provide balanced cabling models, add requirements and normative references for Category 6A and Category 7A components, requirements for Class EA and Class FA links, and requirements for optical fibre cabling.
SANS 11870:2012/ ISO 11870:2009 (SANS 11870:2005)	<i>Milk and milk products - Determination of fat content - General guidance on the use of butyrometric methods.</i> Gives guidance on existing standardized methods (both reference and butyrometric) for the determination of fat in various milk products, the principles underlying any acid-butyrometric analysis and the main operating requirements, and a validation procedure for a butyrometric method in relation to the relevant reference method.
SANS 14443-2:2012/ ISO/IEC 14443-2:2010 (SANS 14443-2:2004)	<i>Identification cards - Contactless integrated circuit cards - Proximity cards - Part 2: Radio frequency power and signal interface.</i> Specifies the characteristics of the fields to be provided for power and bidirectional communication between proximity coupling devices (PCDs) and proximity cards or objects (PICCs).
SANS 14443-3:2012/ ISO/IEC 14443-3:2011 (SANS 14443-3:2004)	<i>Identification cards - Contactless integrated circuit cards - Proximity cards - Part 3: Initialization and anticollision.</i> Describes polling for proximity cards or objects (PICCs) entering the field of a proximity coupling device (PCD), the byte format, the frames and timing used during the initial phase of communication between PCDs and PICCs, the initial Request and Answer to Request command content, methods to detect and communicate with one PICC among several PICCs (anticollision), other parameters required to initialize communications between a PICC and PCD, and optional means to ease and speed up the selection of one PICC among several PICCs based on application criteria.
SANS 17020:2012/ ISO/IEC 17020:2012 (SANS 17020:1998)	<i>Conformity assessment - Requirements for the operation of various types of bodies performing inspection.</i> Contains requirements for the competence of bodies performing inspection and for the impartiality and consistency of their inspection activities.



Standard No. and year	Title, scope and purport
SANS 20004:2012/ ECE R4:2006 (SANS 20004:1997)	<i>Uniform provisions concerning the approval of devices for the illumination of rear registration plates of power-driven vehicles and their trailers. Applies to rear registration plate lamps for vehicles of categories M, N, O, and T.</i>
SANS 20004:2012/ ECE R4:2006 (SANS 20004:1997)	<i>Uniform provisions concerning the approval of devices for the illumination of rear registration plates of power-driven vehicles and their trailers. ECE corrigendum No. 1. Corrected to change the definition for "rear registration plate lamps of different types". ECE amendment No. 1. Amended to change the title, and to add a scope. ECE amendment No. 2. Amended to add text to the clause on definitions, to change a requirement in the clause on application for approval, and to add general specifications for replaceable filament lamps. ECE amendment No. 3. Amended to change requirements in the clauses on markings and general specifications. ECE amendment No. 4. Amended to add a requirement for the light source module.</i>
SANS 20005:2012/ ECE R5:2008 (SANS 20005:1992)	<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. Applies to sealed-beam headlamps (SB) for vehicles of category T.</i>
SANS 20006:2012/ ECE R6:2011 (SANS 20006:2003)	<i>Uniform provisions concerning the approval of direction indicators for power-driven vehicles and their trailers. Applies to direction indicators for vehicles of categories L, M, N, O and T.</i>
SANS 20019:2012/ ECE R19:2011 (SANS 20019:2008)	<i>Uniform provisions concerning the approval of power-driven vehicle front fog lamps. Applies to front fog lamps for vehicles of categories L3, L4, L5, L7, M, N, and T.</i>
SANS 20023:2012/ ECE R23:2008 (SANS 20023:2007)	<i>Uniform provisions concerning the approval of reversing lights for power-driven vehicles and their trailers. Applies to reversing lamps for vehicles of categories M, N, O, and T.</i>
SANS 20023:2012/ ECE R23:2008 (SANS 20023:2007)	<i>Uniform provisions concerning the approval of reversing lights for power-driven vehicles and their trailers. ECE corrigendum No. 1. Corrected to change a requirement for approval. ECE amendment No. 1. Amended to change requirements for markings, to change general specifications, to change the requirement for colour of light emitted, and to change the annexes on colour of white light and minimum requirements for conformity of production control procedures. ECE amendment No. 2. Amended to add requirements for the light source module. ECE amendment No. 3. Amended to update the table of contents, to add requirements for the colour of light emitted, to change the requirements for conformity of production, to delete the annex on colour of white light, to renumber the remaining annexes, and to change requirements in the annex on minimum requirements for conformity of production control procedures.</i>
SANS 20031:2012/ ECE R31:2009 (SANS 20031:1992)	<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. Applies to headlamps for vehicles of categories M, N, and T.</i>
SANS 20031:2012/ ECE R31:2009 (SANS 20031:1992)	<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 corrigendum No. 1. Corrected to change the footnote in the annex on communication.</i>
SANS 20037:2012/ ECE R37:2011 (SANS 20037:2007)	<i>Uniform provisions concerning the approval of filament lamps for use in approved lamp units of power-driven vehicles and of their trailers. Applies to filament lamps that are intended for use in approved lamp units of power-driven vehicles and of their trailers.</i>
SANS 27005:2012/ ISO/IEC 27005:2011 (SANS 27005:2009)	<i>Information technology - Security techniques - Information security risk management. Provides guidelines for information security risk management.</i>
SANS 60034-16-1:2012/ IEC 60034-16-1:2011 (SANS 60034-16-1:1991)	<i>Rotating electrical machines - Part 16-1: Excitation systems for synchronous machines - Definitions. Defines terms applicable to the excitation systems of synchronous rotating electrical machines.</i>
SANS 60079-29-4:2012/ IEC 60079-29-4:2009	<i>Explosive atmospheres - Part 29-4: Gas detectors - Performance requirements of open path detectors for flammable gases. IEC corrigendum No. 1. Corrected to modify a requirement for shutter for blockage tests.</i>
SANS 60238:2012/ IEC 60238:2011 (Ed. 4.2)	<i>Edison screw lampholders. Consolidated edition incorporating IEC amendment No. 2. Amended to add a figure and definitions, to add requirements to classification and marking and a table on minimum distances for a.c. (50/60 Hz) sinusoidal voltages impulse withstand category II (table 13a), and to update referenced standards.</i>
SANS 60252-2:2012/ IEC 60252-2:2010 (SANS 60252-2:2004)	<i>AC motor capacitors - Part 2: Motor start capacitors. Applies to motor start capacitors intended for connection to windings of asynchronous motors supplied from a single-phase system having the frequency of the mains.</i>
SANS 60357:2012	<i>Tungsten halogen lamps (non-vehicle) - Performance requirements. IEC amendment No. 1. Amended to update datasheets, to update pages and annexes. IEC amendment No. 2. Amended to update lamp requirements and maximum lamp outline sheets. IEC amendment No. 3. Amended to replace pages and insert new datasheets.</i>
SANS 60670-1:2012/ IEC 60670-1:2011 (Ed. 1.1)	<i>Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 1: General requirements. Consolidated edition incorporating IEC amendment No. 1. Amended to update a referenced standard, to update definitions, to add requirements for protection against electric shock, provision for earthing, construction, resistance to ageing, protection against ingress of solid objects and harmful ingress of water, insulation resistance and electric strength, mechanical strength and resistance to heat.</i>

Standard No. and year	Title, scope and purport
SANS 60838-1:2012/ IEC 60838-1:2011 (Ed. 1.2)	<i>Miscellaneous lampholders - Part 1: General requirements and tests. Consolidated edition incorporating IEC amendment No. 2.</i> Amended to update a referenced standard, to add definitions, to include new types of lampholders and their requirements, to change the classification of lampholders, and to change and add creepage distances and clearances.
SANS 60851-5:2012/ IEC 60851-5:2011 (Ed. 2.1)	<i>Winding wires - Test methods - Part 5: Electrical properties. Consolidated edition incorporating IEC amendment No. 1.</i> Amended to add dielectric breakdown requirements and continuity requirements for fully insulated zero-defect enamelled round copper wires.
SANS 60929:2012/ IEC 60929:2011 (SANS 60929:2006)	<i>AC and/or DC-supplied electronic control gear for tubular fluorescent lamps - Performance requirements.</i> Specifies performance requirements for electronic control gear for use on a.c. at 50 Hz or 60 Hz and/or d.c. supplies, both up to 1 000 V, with operating frequencies deviating from the supply frequency, associated with fluorescent lamps as specified in IEC 60081 (published in South Africa as an identical adoption under the designation SANS 60081) and IEC 60901 (published in South Africa under the designation SANS 60901), and other fluorescent lamps for high-frequency operation.
SANS 60947-1:2012/ IEC 60947-1:2011 (Ed. 5.1)	<i>Low-voltage switchgear and controlgear - Part 1: General rules. Consolidated edition incorporating IEC amendment No. 1.</i> Amended to update referenced standards, to delete and add figures and definitions, to add requirements for control circuit, product information, marking, tests, construction and performance, and to add annexes on extended functions with electronic overload relays and examples of control circuit configurations.
SANS 60947-4-3:2012/ IEC 60947-4-3:2011 (Ed. 1.2)	<i>Low-voltage switchgear and controlgear - Part 4-3: Contactors and motor-starters - AC semiconductor controllers and contactors for non-motor loads. Consolidated edition incorporating IEC amendment No. 2.</i> Amended to update referenced standards, to add definitions, symbols and abbreviations, and to add annexes on modified test circuits for short-circuit testing and a flowchart for constructing bypassed semiconductor controllers tests.
SANS 60947-8:2012/ IEC 60947-8:2007 (Ed. 1.2)	<i>Low-voltage switchgear and controlgear - Part 8: Control units for built-in thermal protection (PTC) for rotating electrical machines. Consolidated edition incorporating IEC amendment No. 2.</i> Amended to update referenced standards, to add terms, definitions, symbols and abbreviations, and to add an annex on special tests.
SANS 61000-2-5:2012/ IEC/TR 61000-2-5:2011 (SANS 61000-2-5:1995)	<i>Electromagnetic compatibility (EMC) - Part 2-5: Environment - Description and classification of electromagnetic environments.</i> Guides those who are in charge of writing immunity standards for equipment or a system. Classifies electromagnetic environments and helps to improve the specification of the immunity requirements of an item that contains electrical or electronic parts, and consequently obtains electromagnetic compatibility.
SANS 61000-3-12:2012/ IEC 61000-3-12:2011 (SANS 61000-3-12:2009)	<i>Electromagnetic compatibility (EMC) - Part 3-12: Limits - Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current &gt; 16 A and ≤ 75 A per phase.</i> Deals with the limitation of harmonic currents injected into the public supply system. The limits given are applicable to electrical and electronic equipment with a rated input current exceeding 16 A and up to and including 75 A per phase, intended to be connected to public low-voltage a.c. distribution systems.
SANS 61184:2012/ IEC 61184:2011 (Ed. 3.1)	<i>Bayonet lampholders. Consolidated edition incorporating IEC amendment No. 1.</i> Amended to change cap/holder fits "B15" and "B22" to "B15d" and "B22d", to include enclosed reinforced insulated lampholders and partly reinforced insulated lampholders, and to replace two figures (figures 13 and 14).
SANS 61199:2012/ IEC 61199:2011 (SANS 61199:1999)	<i>Single-capped fluorescent lamps - Safety specifications.</i> Specifies the safety requirements for single-capped fluorescent lamps for general lighting purposes of all groups having 2G7, 2GX7, GR8, 2G10, G10q, GR10q, GX10q, GY10q, 2G11, G23, GX23, G24, GX24 and GX32 caps. Also specifies the method a manufacturer should use to show compliance with the requirements of this standard on the basis of whole production appraisal in association with his test records on finished products. Can also be applied for certification purposes. Details of a batch test procedure which can be used to make limited assessment of batches are also given.
SANS 61347-1:2012/ IEC 61347-1:2010 (Ed. 2.1)	<i>Lamp controlgear - Part 1: General and safety requirements. Consolidated edition incorporating IEC amendment No. 1.</i> Amended to update a referenced standard, to add requirements for the provision of protective earthing, moisture resistance and insulation, and to add a figure of a test circuit for controlgear and a figure of a test circuit for thermally protected lamp controlgear.
SANS 61347-2-3:2012/ IEC 61347-2-3:2011 (SANS 61347-2-3:2005)	<i>Lamp control gear - Part 2-3: Particular requirements for a.c. and/or d.c. supplied electronic control gear for fluorescent lamps.</i> Specifies particular safety requirements for electronic control gear for use on a.c. and d.c. supplies up to 1 000 V at 50 Hz or 60 Hz with operating frequencies deviating from the supply frequency, associated with fluorescent lamps as specified in IEC 60081 (published in South Africa as an identical adoption under the designation SANS 60081) and IEC 60901 (published in South Africa under the designation SANS 60901) and other fluorescent lamps for high-frequency operation. Can only be used in conjunction with SANS 61347-1.
SANS 61347-2-3:2012/ IEC 61347-2-3:2011	<i>Lamp control gear - Part 2-3: Particular requirements for a.c. and/or d.c. supplied electronic control gear for fluorescent lamps. IEC corrigendum No. 1.</i> Corrected to delete reference to IEC 60925 (published in South Africa as an identical adoption under the designation SANS 60925) in the foreword.
SANS 61534-1:2012/ IEC 61534-1:2011 (SANS 61534-1:2007)	<i>Powertrack systems - Part 1: General requirements.</i> Specifies general requirements and tests for powertrack (PT) systems with a rated voltage not exceeding 277 V a.c. single phase, or 480 V a.c. two or three phase 50 Hz/60 Hz, with a rated current not exceeding 63 A. These systems are used for distributing electricity in household, commercial and industrial premises.
SANS 61558-2-23:2012/ IEC 61558-2-23:2010 (SANS 61558-2-23:2000)	<i>Safety of transformers, reactors, power supply units and combinations thereof - Part 2-23: Particular requirements and tests for transformers and power supply units for construction sites.</i> Deals with the safety of transformers for construction sites and power supply units incorporating transformers for construction sites. Can only be used in conjunction with SANS 61558-1.

Standard No. and year	Title, scope and purport
SANS 62208:2012/ IEC 62208:2011 (SANS 62208:2005)	<i>Empty enclosures for low-voltage switchgear and controlgear assemblies - General requirements.</i> Specifies definitions, classifications, characteristics and test requirements of enclosures to be used as part of switchgear and controlgear assemblies (e.g. in accordance with the IEC 60439 series)(IEC 60439-1, IEC 60439-2, IEC 60439-3, IEC 60439-4 and IEC 60439-5 have been published in South Africa as identical adoptions under the designations SANS 60439-1, SANS 60439-2, SANS 60439-3, SANS 60439-4 and SANS 60439-5), the rated voltage of which does not exceed 1 000 V a.c. or 1 500 V d.c. and suitable for general use for either indoor or outdoor applications.
SANS 62271-1:2012/ IEC 62271-1:2011 (Ed. 1.1)	<i>High-voltage switchgear and controlgear - Part 1: Common specifications. Consolidated edition incorporating IEC amendment No. 1.</i> Amended to add rated peak withstand current requirements, to change the test current and duration requirements, and to increase range II standard values for rated voltages above 245 kV to 1 200 kV.
SANS 302326-2:2012/ ETSI EN 302326-2:2007 (SANS 302326-2:2008)	<i>Fixed Radio Systems; Multipoint Equipment and Antennas - Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&amp;TTE Directive for Digital Multipoint Radio Equipment.</i> Covers the characteristics and requirements for fixed multipoint radio equipment and antennas using a variety of access and duplex methods and operating at a variety of bit rates in frequency bands.

### 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 194:2006	<i>Pesticides: Foaming of wettable powders and suspension concentrates</i>
SANS 1011:2007	<i>Shapes, sizes, and marking of grinding wheels</i>
SANS 4898:2010	<i>Rigid cellular plastics - Thermal insulation products for buildings - Specifications</i>
SANS 6032:2005	<i>Accelerated degradation of adhesive bonds in wood</i>
SANS 6046:2005	<i>Detection of thermoplasticity in wood adhesives: Creep test</i>
SANS 6915:2010	<i>Flexible cellular polymeric materials - Polyurethane foam for laminate use - Specification</i>
SANS 8873-1:2010	<i>Rigid cellular plastics - Spray-applied polyurethane foam for thermal insulation - Part 1: Material specifications</i>
SANS 8873-2:2010	<i>Rigid cellular plastics - Spray-applied polyurethane foam for thermal insulation - Part 2: Application</i>
SANS 8873-3:2010	<i>Rigid cellular plastics - Spray-applied polyurethane foam for thermal insulation - Part 3: Test methods</i>
SANS 9076-2:2010	<i>Thermal insulation - Mineral-wool loose-fill for horizontal applications in ventilated roof spaces - Part 2: Principal responsibilities of installers</i>
SANS 12574-2:2010	<i>Thermal insulation - Cellulose-fibre loose-fill for horizontal applications in ventilated roof spaces - Part 2: Principal responsibilities of installers</i>
SANS 12575-2:2010	<i>Thermal insulation products - Exterior insulating systems for foundations - Part 2: Principal responsibilities of installers</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.