

## DEPARTMENT OF TRADE AND INDUSTRY

No. 618

15 August 2014

STANDARDS ACT, 2008  
STANDARDS MATTERS

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

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 1681:2014/ ISO 6016:2008	<i>Earth-moving machinery - Methods of measuring the masses of whole machines, their equipment and components.</i> Specifies methods for measuring the masses of whole earth-moving machines, their equipment, attachments or components, using weighbridges or force transducers. Also defines the terms related to these masses.
SANS 3001-AS23:2014	<i>Civil engineering test methods Part AS23: Determination of moisture in asphalt.</i> Applies to asphalt, a mixture of aggregate, filler and hot bituminous binder, and describes the determination of moisture in newly mixed asphalt by distillation, using a Dean and Stark apparatus, and by oven-drying.
SANS 3001-GR57:2014	<i>Civil engineering test methods Part GR57: Determination of the initial stabilizer consumption of soils and gravels.</i> Applies to soils and gravels and describes a method to determine the lime or cement demand of clay minerals in these materials.
SANS 12117-2:2014/ ISO 12117-2:2008	<i>Earth-moving machinery - Laboratory tests and performance requirements for protective structures of excavators Part 2: Roll-over protective structures (ROPS) for excavators of over 6 t.</i> Establishes a consistent and reproducible means of evaluating the load-carrying characteristics of roll-over protective structures (ROPS) for excavators under static loading, and prescribes performance requirements of a representative specimen under such loading.
SANS 14371:2014/ ISO 14731:2012	<i>Water quality - Determination of fresh water sediment toxicity to Heterocypris incongruens (Crustacea, Ostracoda).</i> Specifies a method for the determination of lethal as well as sublethal effects of contaminated sediments on the ostracod crustacean <i>Heterocypris incongruens</i> after 6 d exposure. Applies not only to fresh water sediments, but also by extension to solid wastes and soils after addition of (uncontaminated) water. Also applies to chemicals or preparations that are spiked into a reference sediment. Does not apply to the testing of sediments from the estuarine or marine environment.
SANS 15998:2014/ ISO 15998:2008	<i>Earth-moving machinery - Machine-control systems (MCS) using electronic components - Performance criteria and tests for functional safety.</i> Specifies performance criteria and tests for functional safety of safety-related machine-control systems (MCS) using electronic components in earth-moving machinery and its equipment, as defined in ISO 6165 (published in South Africa as an identical adoption under the designation SANS 261).
SANS 20000-4:2014/ ISO/IEC TR 20000-4:2010	<i>Information technology - Service management - Part 4: Process reference model.</i> Defines a process reference model comprising a set of processes, described terms of process purpose and outcomes that demonstrate coverage of the requirements of ISO/IEC 20000-1 (published in South Africa as an identical adoption under the designation SANS 20000-1).
SANS 53163:2014/ EN 13163:2012	<i>Thermal insulation products for buildings - Factory made expanded polystyrene (EPS) products - Specification.</i> Specifies the requirements for factory made expanded polystyrene products, with or without rigid or flexible facings or coatings, which are used for the thermal insulation of buildings.
SANS 53165:2014/ EN 13165:2012	<i>Thermal insulation products for buildings - Factory made rigid polyurethane foam (PU) products - Specification.</i> Specifies the requirements for factory made rigid polyurethane foam (PU) products, with or without rigid or flexible facings or coatings and with or without integral reinforcement, which are used for the thermal insulation of buildings.
SANS 60745-2-23:2014/ IEC 60745-2-23:2012	<i>Hand-held motor-operated electric tools - Safety Part 2-23: Particular requirements for die grinders and small rotary tools.</i> Applies to die grinders and small rotary tools for mounted accessories not exceeding 55 mm in diameter and mounted sanding accessories not exceeding 80 mm in diameter such as, threaded cones or plugs that are threaded on a mandrel with an unrelieved shoulder flange, mandrel mounted wheels and rotary files with a rated speed not exceeding a peripheral speed of the accessory of 80 m/s at rated capacity.
SANS 62056-6-2:2014/ IEC 62056-6-2:2013	<i>Electricity metering data exchange - The DLMS/COSEM suite Part 6-2: COSEM interface classes.</i> Specifies a model of a meter as it is seen through its communication interface(s). Generic building blocks are defined using object-oriented methods, in the form of interface classes to model meters from simple up to very complex functionality.
SANS 62056-7-6:2014/ IEC 62056-7-6:2013	<i>Electricity metering data exchange - The DLMS/COSEM suite Part 7-6: The 3-layer, connection-oriented HDLC based communication profile.</i> Specifies the DLMS/COSEM 3-layer, connection-oriented HDLC based communication profile.
SANS 62056-9-7:2014/ IEC 62056-9-7:2013	<i>Electricity metering data exchange - The DLMS/COSEM suite Part 9-7: Communication profile for TCP-UDP/IP networks.</i> Specifies the DLMS/COSEM communication profile for TCP-UDP/IP networks.

Standard No. and year	Title, scope and purport
SATS 62441:2014/ IEC/TS 62441:2011	<i>Safeguards against accidentally caused candle flame ignition for audio/video, communication and information technology equipment.</i> Introduces safeguards to reduce the likelihood of room flash-over as a result of accidental ignition of exterior housings of audio/video and information communication technology products likely to be used in the home, caused by a candle flame.

**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
ARP 035:2014 (ARP 035:2007)	<i>Guidelines for the installation and maintenance of street lighting.</i> Discusses the need for, and the advantages of, installing public street lighting. Street lighting promotes better traffic flow, improves the appearance of city centres and residential areas and is a major deterrent to crime and vandalism.
SANS 1507-4 (Ed. 1.4)	<i>Electric cables with extruded solid dielectric insulation for fixed installations (300/500 V to 1 900/3 300 V) Part 4: XLPE Distribution cables. Consolidated edition incorporating amendment No. 4.</i> Amended to update referenced standards, and to include the publication dates of standards where reference has been made to specific items in those standards.
SANS 1557:2014 (Ed.3.3)	<i>Sunscreen products. Consolidated edition incorporating amendment No. 3.</i> Amended to update the table on permitted UV filters (table B.1).
SANS 1678:2014 (Ed.2.1)	<i>Sterilized milk. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 12117-2:2014/ ISO 12117-2:2008 (Ed.1 and ISO tec corr.1)	<i>Earth-moving machinery - Laboratory tests and performance requirements for protective structures of excavators Part 2: Roll-over protective structures (ROPS) for excavators of over 6 t. ISO technical corrigendum No. 1.</i> Amended to update the information on lateral loading and the table on the formulas for determining energy and force.
SANS 16368:2014/ ISO 16368:2010 (SANS 16368:2007)	<i>Mobile elevating work platforms - Design calculations, safety requirements and test methods.</i> Specifies safety requirements and preventive measures, and the means for their verification, for all types and sizes of mobile elevating work platforms (MEWPs) intended for moving persons to working positions. Gives the structural design calculations and stability criteria, construction, safety examinations and security tests to be applied before a MEWP is first put into service, identifies the hazards arising from the use of MEWPs and describes methods for the elimination or reduction of those hazards.
SANS 20000-3:2014/ SANS 20000-3:2012 (SANS 20000-3:2011)	<i>Information technology - Service management Part 3: Guidance on scope definition and applicability of ISO/IEC 20000-1.</i> Includes guidance on the scope definition, applicability and demonstration of conformity to the requirements specified in ISO/IEC 20000-1. Assists the service provider to plan service improvements and/or prepare for a conformity assessment against ISO/IEC 20000-1 and in establishing if ISO/IEC 20000-1 is applicable to a service provider's circumstances. Illustrates how the scope of an SMS can be defined, irrespective of whether the service provider has experience of defining the scope of other management systems (published in South Africa as an identical adoption under the designation SANS 20000-1).
SANS 50413-1:2014/ EN 50413-1:2011 (SANS 50413-1:2004)	<i>Masonry cement Part 1: Composition, specifications and conformity criteria.</i> Specifies the definition and composition of masonry cements as commonly used in Europe for the production of mortar for bricklaying and blocklaying and for rendering and plastering. Includes physical, mechanical and chemical requirements and defines strength classes.
SANS 60335-2-31:2014/ IEC 60335-2-31:2012 (SANS 60335-2-31:2009)	<i>Household and similar electrical appliances - Safety Part 2-31: Particular requirements for range hoods and other cooking fume extractors.</i> Deals with the safety of electric range hoods and other cooking fume extractors intended for installing above, beside, behind or under household cooking ranges, hobs and similar cooking appliances, their rated voltage being not more than 250 V.
SANS 60704-2-14:2014/ IEC 60704-2-14:2013 (SANS 60704-2-14:2011)	<i>Household and similar electrical appliances - Test code for the determination of airborne acoustical noise Part 2-14: Particular requirements for refrigerators, frozen-food storage cabinets and food freezers.</i> Specifies the measuring conditions to provide for sufficient accuracy in determining the noise emitted and comparing the results of measurements taken by different laboratories, whilst simulating as far as possible the practical use of household refrigerators, frozen-food storage cabinets and food freezers. Recommended to consider the determination of noise levels as part of a comprehensive testing procedure covering many aspects of the properties and performance of household refrigerators, frozen-food storage cabinets and food freezers.
SANS 60884-2-7:2013/ (IEC 60884-2-7:2013) (Ed.1.1 and IEC corr.1)	<i>Plugs and socket-outlets for household and similar purposes Part 2-7: Particular requirements for cord extension sets. IEC corrigendum No. 1.</i> Corrected to modify information in the NOTES to the scope (NOTES 1 and 2).
SANS 61010-2-081:2014/ IEC 61010-2-081:2009 (Ed. 1.1)	<i>Safety requirements for electrical equipment for measurement, control and laboratory use Part 2-081: Particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes. IEC amendment No. 1</i> Amended to delete annex BB and the replacement subclause 8.1.2, and to replace figure AA.1 by a new figure AA.1.
SANS 61535:2012/ (SANS 61535:2012) (Ed. 1.1 and IEC corr.1)	<i>Installation couplers intended for permanent connection in fixed installations. IEC corrigendum No. 1.</i> Corrected to add a requirement for the manufacturer's catalogue and installation instructions.

Standard No. and year	Title, scope and purport
SANS 61968-9:2014/ IEC 61968-9:2013 (SANS 61968-9:2011)	<i>Application integration at electric utilities - System interfaces for distribution management Part 9: Interfaces for meter reading and control.</i> Specifies the information content of a set of message types that can be used to support many of the business functions related to meter reading and control. Includes typical uses of the message types such as meter reading, controls, events, customer data synchronization and customer switching - although intended primarily for electrical distribution networks. Can be used for other metering applications, including non-electrical metered quantities necessary to support gas and water networks.

**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 685	<i>Fibre-cement sheets (flat and profiled).</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.

No. 619

15 August 2014

**STANDARDS ACT, 2008  
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**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 444:2014	<i>Labelling of small volume (50 ml or less) parenteral drug containers.</i> Covers the requirements for labelling small-volume (50 ml) parenteral drug containers. Also covers the size, font, colours and contrast of the text and the background of the label, its lay-out, orientation, legibility and the testing that is done.
SANS 1107:2014	<i>Disposable portable condensed aerosol fire extinguishers.</i> Specifies the characteristics of disposable portable condensed aerosol fire extinguishers that are of charge mass not exceeding 1 000 g and that are suitable for use on class A, B, C and F fires.
SANS 1469:2014	<i>Humane handling and facilities for the protection of livestock at shows, auction sales, vending sites and livestock pounds.</i> Covers requirements for the humane handling and housing of livestock at shows, auction sales, vending sites and livestock pounds.
SANS 1488:2014	<i>Humane transportation of livestock by road.</i> Covers requirements for handling of livestock immediately before, during and after the transportation of livestock by road.
SANS 1880:2014	<i>South African geospatial data dictionary (SAGDaD) and its application.</i> Defines the South African Geospatial Data Dictionary (SAGDaD) standard in accordance with the ISO 19100 series of standards for geographic information/geomatics. Also defines the process for maintaining the data dictionary and implementations of the data dictionary, and defines how to derive a spatial feature catalogue from the spatial feature data dictionary.
SANS 3001-AS22:2014	<i>Civil engineering test methods Part AS22: Determination of the binder content of mixtures used in bituminous slurry seals.</i> Applies to the bituminous slurry mixtures used in surfacing seals and describes a method for determining the binder content of the mixture.
SANS 6014:2014/ ISO 6014:1986	<i>Earth-moving machinery - Determination of ground speed.</i> Specifies a method of determining the speed of earth-moving machinery. Applies to both wheeled and track-laying earth-moving machinery.
SANS 10008:2014/ ISO 10008:2013	<i>Quality management - Customer satisfaction - Guidelines for business-to-consumer electronic commerce transactions.</i> Provides guidance for planning, designing, developing, implementing, maintaining and improving an effective and efficient business-to-consumer electronic commerce transaction (B2C ECT) system within an organization.
SANS 12508:2014/ ISO 12508:1994	<i>Earth-moving machinery - Operator station and maintenance areas - Bluntness of edges.</i> Defines the permissible limits of the sharpness of edges and corners, to reduce the risk of injury to the operator or maintenance personnel while operating earth-moving machinery and performing maintenance.
SANS 14006:2014/ ISO 14006:2011	<i>Environmental management systems - Guidelines for incorporating ecodesign.</i> Provides guidelines to assist organizations in establishing, documenting, implementing, maintaining and continually improving their management of ecodesign as part of an environmental management system (EMS).
SANS 14045:2014/ ISO 14045:2012	<i>Environmental management - Eco-efficiency assessment of product systems - Principles, requirements and guidelines.</i> Describes the principles, requirements and guidelines for eco-efficiency assessment for product systems, including: the goal and scope definition of the eco-efficiency assessment; the environmental assessment; the product system value assessment; the quantification of eco-efficiency; interpretation (including quality assurance); reporting; critical review of the eco-efficiency assessment.
SANS 14051:2014/ ISO 14051:2011	<i>Environmental management - Material flow cost accounting - General framework.</i> Provides a general framework for material flow cost accounting (MFCA). Under MFCA, the flows and stocks of materials within an organization are traced and quantified in physical units (e.g. mass, volume) and the costs associated with those material flows are also evaluated.
SANS 24760-1:2014/ ISO/IEC 24760-1:2011	<i>Information technology - Security techniques - A framework for identity management - Part 1: Terminology and concepts.</i> Defines terms for identity management and specifies core concepts of identity and identity management and their relationships. Is applicable to any information systems that processes identity information.
SANS 27037:2014/ ISO/IEC 27037:2012	<i>Information technology - Security techniques - Guidelines for identification, collection, acquisition, and preservation of digital evidence.</i> Provides guidelines for specific activities in handling digital evidence, which are identification, collection, acquisition and preservation of digital evidence that may be of evidential value. Provides guidance to individuals with respect to common situations encountered throughout the digital evidence handling process and assists organizations in their disciplinary procedures and in facilitating the exchange of potential digital evidence between jurisdictions.

Standard No. and year	Title, scope and purport
SANS 50572-6:2014/ EN 572-6:2012	Glass in building - Basic soda lime silicate glass products Part 6: Wired patterned glass. Specifies dimensional and minimum quality requirements (in respect of optical and visual faults) for wired patterned glass as defined in EN 572-1 (published in South Africa as an identical adoption under the designation SANS 50572-1) for use in building.
SANS 50572-7:2014/ EN 572-7:2012	Glass in building - Basic soda lime silicate glass products Part 7: Wired or unwired channel shaped glass. Specifies dimensional and minimum quality requirements (in respect of visual and wire faults) for channel shaped glass, as defined in EN 572-1 (published in South Africa as an identical adoption under the designation SANS 50572-1), for use in building.
SANS 50572-8:2014/ EN 572-8:2012	Glass in building - Basic soda lime silicate glass products Part 8: Supplied and final cut sizes. Specifies dimensional and minimum quality requirements (in respect of optical and visual faults) for basic soda lime silicate glass products, as defined in EN 572-1 (published in South Africa as an identical adoption under the designation SANS 50572-1), for use in building.
SANS 50572-9:2014/ EN 572-9:2012	Glass in building - Basic soda lime silicate glass products Part 9: Evaluation of conformity/Product standard. Covers the evaluation of conformity and factory production control of basic soda lime silicate glass products for use in buildings.
SANS 60317-27:2014/ IEC 60317-27:2013	Specifications for particular types of winding wires Part 27: Paper tape covered rectangular copper wire. Specifies the requirements of paper tape covered rectangular copper winding wires.
SANS 60669-2-5:2014/ IEC 60669-2-5:2013	Switches for household and similar fixed electrical installations Part 2-5: Particular requirements - Switches and related accessories for use in home and building electronic systems (HBES). Applies to HBES switches with a working voltage not exceeding 250 V a.c. and a rated current up to and including 16 A for household and similar fixed electrical installations either indoors or outdoors and applies to associated electronic extension units.
SANS 61439-4:2014/ IEC 61439-4:2012	Low-voltage switchgear and controlgear assemblies - Part 4: Particular requirements for assemblies for construction sites (ACS). Defines the specific requirements of assemblies for construction sites (ACS) on assemblies to be used both indoors and outdoors and for which the rated voltage does not exceed 1 000 V in case of a.c. or 1 500 V. in case of d.c.

#### SCHEDULE 2: AMENDMENT OF EXISTING STANDARDS

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Standard No. and year	Title, scope and purport
SANS 585:2014 (SANS 585:2011)	The production of frozen fish, marine molluscs, and products derived therefrom. Specifies requirements for the handling, preparation, processing, packaging, transportation, freezing, storage and quality of frozen fish, marine molluscs, and products derived therefrom that are intended for human consumption. Also specifies requirements for factories and employees involved in the production of frozen fish, marine molluscs and products derived therefrom.
SANS 791:2014 (Ed. 5.4)	Unplasticized poly(vinyl chloride) (PVC-U) sewer and drain pipes and pipe fittings. Consolidated edition incorporating amendment No. 4. Amended to modify the dimensions of sockets of pipe fittings (table 4), update a recommendation for storage in the annex on notes touses of PVC-U pipes (annex B) and the requirements for methylene chloride test.
SANS 795:2014 (SANS 795:2007)	Wheelbarrows. Specifies the requirements for five types of wheelbarrows suitable for domestic, industrial, agricultural and building-site conditions.
SANS 959-1:2014 (Ed 1.1)	Photovoltaic systems for use in individual homes, schools and clinics Part 1: Standardized requirements applicable to off-grid individual homes, schools and clinics. Amended to update referenced standards.
SANS 966-1:2014 (Ed.3.7)	Components of pressure pipe systems Part 1: Unplasticized poly(vinyl chloride) (PVC-U) pressure pipe systems. Amended to update table 7 on pressure classes.
SANS 1223:2014 (Ed. 2.3)	Fibre-cement pressure pipes and couplings. Consolidated edition incorporating amendment No. 3. Amended to update referenced standards, to correct the formula for crushing strength and the formula for unit flexural strength, and to correct a value in the table on sample size.
SANS 1382-2:2014 (Ed. 1.3)	Hose Part 2: Commercial and sports hose. Consolidated edition incorporating amendment No. 3. Amended to update referenced standards.
SANS 1524-1:2014 (Ed. 5.1)	Electricity payment systems Part 1: Payment meters. Consolidated edition incorporating amendment No. 1. Amended to update referenced standards.
SANS 1545-6:2014 (E.d 1.2)	Safety rules for the construction and installation of lifts Part 6: Rack-and-pinion lifts. Amended to update the list of parts in the foreword, to modify the minimum safety factor against the endurance limit for tooth strength and for pitting and shear, and to update referenced standards.

Standard No. and year	Title, scope and purport
SANS 1578:2014 (Ed. 1.4)	<i>Durable organic powders for coating of external architectural aluminium. Consolidated edition incorporating amendment No. 4.</i> Amended to change note 1 to the scope to include class 2 and class 3 powders, to add a definition for "organic powder" and to change the definition for "test panel", to renumber the definitions and to correct cross references accordingly, to update the table on gloss categories (table 1), to incorporate requirements for class 2 and class 3 coatings, to modify the requirements for the natural weathering test and to add a table on the performance of coatings after exposure to natural weather (table 3), to renumber subsequent tables and to correct cross references thereto, to modify the requirements for reverse impact, to update the table on maximum allowable delta E values (table 4), and to modify the procedure for.
SANS 1649:2014 (Ed. 2.1)	<i>Non-automatic self-indicating, semi-self-indicating and non-self-indicating weighing instruments with denominated verification scale intervals.</i> Amended to update the requirements for eccentric loading, the substitution of standard, weights, analogue indication, to add a prescribed ratio to the instrument with a ratio platform, to update the testing procedures for the weighing test using substitution material, eccentricity, test, the repeatability test, and to update the general test requirements and requirements for verification tests.
SANS 1825:2014 (SANS 1825:2010)	<i>Gas cylinder test stations - General requirements for periodic inspection and testing of transportable refillable gas pressure receptacles.</i> Specifies minimum requirements for test stations for transportable gas cylinders of water capacity 0,5 L to 3000 L, including gas cylinders used in fire fighting applications.
SANS 10406:2014 (SANS 10406:2007)	<i>Transport of dangerous goods - The reprocessing of previously certified packaging.</i> Covers the procedures to follow for the reprocessing of previously certified packaging for the transport of dangerous goods, to ensure that the reprocessed packaging meets regulatory and quality standards, and that the safe transport of goods packaged in such reprocessed packaging is not compromised. Ensures the health and safety of employees, the public and the environment.
SANS 12402-3:2007/ ISO 12402-3:2006	<i>Personal flotation devices Part 3: Lifejackets, performance level 150 - Safety requirements. IEC amendment No. 1.</i> Amended to update referenced standards, and to modify general requirements and requirements for marking.
SANS 12402-4:2007/ ISO 12402-4:2006	<i>Personal flotation devices Part 4: Lifejackets, performance level 100 - Safety requirements. IEC amendment No. 1.</i> Amended to update referenced standards, and to modify general requirements and requirements for marking.
SANS 12402-6:2007/ ISO 12402-6:2006	<i>Personal flotation devices Part 6: Special purpose lifejackets and buoyancy aids - Safety requirements and additional test methods IEC amendment No. 1.</i> Amended to update referenced standards, to modify requirements for general principles, and to add an annex on additional component evaluation based on special use conditions.
SANS 14788:2014 ISO 14788:2011 (SANS 14788:2007)	<i>Continuous hot-dip zinc-5 % aluminium alloy coated steel sheet.</i> Applies to the minimum requirements for steel sheet, in coils and cut lengths, metallic-coated by the continuous hot-dip process, with zinc-5 % aluminium alloy coating.
SANS 15443-2:2014/ ISO/IEC TR 15443-2:2012 (SANS 15443-2:2006)	<i>Information technology - Security techniques - Security assurance framework Part 2: Analysis.</i> Provides a collection of assurance methods including those not unique to ICT security as long as they contribute to overall ICT security. Gives an overview as to their aim and describes their features, reference and standardization aspects.
SANS 19794-4:2014/ ISO/IEC 19794-4:2011 (SANS 19794-4:2007)	<i>Information technology - Biometric data interchange formats Part 4: Finger image data.</i> Specifies a data record interchange format for storing, recording, and transmitting the information from one or more finger or palm image areas.
SANS 19794-4:2014/ ISO/IEC 19794-4:2011	<i>Information technology - Biometric data interchange formats Part 4: Finger image data. IEC amendment No. 1.</i> Amended to update elements of conformance testing methodology, test assertion, and test procedure as applicable to this part of ISO/IEC 19794, and to establish test assertions pertaining to the structure of the finger image data format and clarification of defects. <i>IEC corrigendum No. 1.</i> Corrected to update the table on format type identifiers.
SANS 19794-6:2014/ ISO/IEC 19794-6:2011 (SANS 19794-6:2007)	<i>Information technology - Biometric data interchange formats Part 6: Iris image data.</i> Specifies iris image interchange formats for biometric enrolment, verification and identification systems.
SANS 19794-6:2014/ ISO/IEC 19794-6:2011	<i>Information technology - Biometric data interchange formats Part 6: Iris image data. IEC corrigendum No. 1.</i> Corrected to update the table on format type identifier.
SANS 60079-14:2014/ IEC 60079-14:2013 (SANS 60079-14:2009)	<i>Explosive atmospheres Part 14: Electrical installations design, selection and erection.</i> Contains specific requirements for the design, selection, erection and initial inspection of electrical installations in, or associated with, explosive atmospheres.
SANS 60079-17:2014 IEC 60079-17:2013 (IEC 60079-17:2009)	<i>Explosive atmospheres Part 17: Electrical installations inspection and maintenance.</i> Applies to users and covers factors directly related to the inspection and maintenance of electrical installations within hazardous areas only, where the hazard may be caused by flammable gases, vapours, mists, dusts, fibers or flyings. Does not include other fundamental installation and inspection requirements for electrical installations, the verification of electrical equipment and the repair and reclamation of explosion protected equipment (see IEC 60079-19). Supplements the requirements of IEC 60364-6.
SANS 60079-20-1:2010/ IEC 60079-20-1:2010	<i>Explosive atmospheres Part 20-1: Material characteristics for gas and vapour classification - Test methods and data. IEC corrigendum No. 1.</i> Corrected to update information on classification according to MESG and MIC, classification of temperature class and range of auto-ignition temperatures (table 1), and to replace in the row for CAS-No 75-29-6 the tabulated value for MESG and in the row for CAS-No. 107-31-3 the tabulated value for temperature class in the annex on tabulated values (annex B).
SANS 60079-31:2014/ IEC 60079-31:2013	<i>Explosive atmospheres Part 31: Equipment dust ignition protection by enclosure "t".</i> Applicable to electrical equipment protected by enclosure and surface temperature limitation for use in explosive dust atmospheres. It specifies requirements for design, construction and testing of electrical equipment and Ex Components.

Standard No. and year	Title, scope and purport
SANS 60269-2:2014/ IEC 60269-2:2013 (SANS 60269-2:2010)	<i>Low-voltage fuses Part 2: Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application) - Examples of standardized systems of fuses A to K.</i> Covers fuses for use by authorized persons and are generally to be used in installations where the fuse-links are accessible to, and may be replaced by, authorized persons. Also complies with the requirements of the corresponding subclauses of IEC 60269-1 (published in South Africa as an identical adoption under the designation SANS 172), unless otherwise defined in this standard.
SANS 60317-0-2:2014/ IEC 60317-0-2:2009 (SANS 60317-0-2:2009)	<i>Specifications for particular types of winding wires Part 0-2: General requirements - Enamelled rectangular copper wire.</i> Specifies the general requirements of enamelled rectangular copper winding wires.
SANS 60317-28:2014/ IEC 60317-28:2013 (SANS 60317-28:2011)	<i>Specifications for particular types of winding wires Part 28: Polyesterimide enamelled rectangular copper wire, class 180.</i> Specifies the requirements of enamelled rectangular copper winding wire of class 180 with a sole coating based on polyesterimide resin, which may be modified providing it retains the chemical identity of the original resin and complies with all the specified wire requirements.
SANS 60335-2-106:2007/ IEC 60335-2-106:2007 (SANS 60335-2-106:2007)	<i>Household and similar electrical appliances - Safety Part 2-106: Particular requirements for heated carpets and for heating units for room heating installed under removable floor coverings. IEC corrigendum No. 1.</i> Corrected to modify the requirements in the clause on endurance.
SANS 60601-2-21:2009/ IEC 60601-2-21:2009 (SANS 60601-2-21:2009)	<i>Medical electrical equipment Part 2-21: Particular requirements for the basic safety and essential performance of infant radiant warmers. IEC corrigendum No. 1.</i> Corrected to modify the requirements for audible alarms sound level.
SANS 102177:2014/ ETSI TS 102177:2010 (SANS 102177:2006)	<i>Broadband Radio Access Networks (BRAN); HiperMAN; Physical (PHY) layer.</i> Covers radio resources and connection control, data link control protocols and transmission schemes in order to allow interoperability between equipment developed by different manufacturers.
SANS 300086-1:2014/ ETSI TS 300086-1:2008 (SANS 300086-1:2005)	<i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment with an internal or external RF connector intended primarily for analogue speech Part 1: Technical characteristics and methods of measurement.</i> Covers technical requirements for radio transmitters and receivers used in stations in the Private Mobile Radio (PMR) service such as base stations, mobile stations and portable stations.
SANS 302326-3:2014/ ETSI TS 302326-3:2008 (SANS 302326-3:2008)	<i>Fixed Radio Systems; Multipoint Equipment and Antennas Part 3: Harmonized EN covering the essential requirements of article 3.2 of the R&amp;TTE Directive for Multipoint Radio Antennas.</i> Covers 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 different 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 14713:1999	<i>Protection against corrosion of iron and steel in structures - Zinc and aluminium coatings - Guidelines.</i>
SANS 51395:1996	<i>Thermal spraying - Acceptance inspection of thermal spraying equipment.</i>
SANS 60730-2-16:2007	<i>Automatic electrical controls for household and similar use Part 2-16: Particular requirements for automatic electrical water level controls of the float type for household and similar applications.</i>
SANS 60730-2-18:2007	<i>Automatic electrical controls for household and similar use Part 2-18: Particular requirements for automatic electrical water and air flow sensing controls, including mechanical requirements.</i>
SANS 61010-2-031:1993	<i>Safety requirements for electrical equipment for measurement, control, and laboratory use Part 2-031: Particular requirements for hand-held probe assemblies for electrical measurement and test.</i>
SANS 61982-1:2008	<i>Secondary batteries for the propulsion of electric road vehicles Part 1: Test parameters.</i>
SANS 61982-2:2003	<i>Secondary batteries for the propulsion of electric road vehicles Part 2: Dynamic discharge performance test and dynamic endurance test.</i>
SANS 61982-3:2003	<i>Secondary batteries for the propulsion of electric road vehicles Part 3: Performance and life testing (traffic compatible, urban use vehicles).</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.