

DEPARTMENT OF TRADE AND INDUSTRY

No. 1021

26 September 2008

STANDARDS ACT, 1993
STANDARDS MATTERS

In terms of the Standards Act, 1993 (Act No. 29 of 1993), the Council of the South African Bureau of Standards has acted in regard to standards in the manner set out in the Schedules to this notice.

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

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

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

SCHEDULE 1: ISSUE OF NEW STANDARDS

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

Standard No. and year	Title, scope and purport
SANS 329:2008	<i>Industrial thermoprocessing equipment – Safety requirements for combustion and fuel-handling systems.</i> Specifies safety requirements for industrial thermoprocessing equipment using LPG, natural gas and solid fuels and that operates above 0,5 GJ/h. It applies specifically to the fuel immediately adjacent to the equipment, but downstream of the shut-off valve.
SANS 339:2007	<i>Sorbents for hydrocarbon-based products.</i> Covers various types of sorbent materials used to remove hydrocarbon-based liquids from water, soil, and hard surfaces; these include absorbents which are designed to readily release collected liquids under pressure as well as those that are designed to retain it, as well as adsorbents.
SANS 490:2008	<i>Disinfectant alcohol-based handrub.</i> Covers requirements for two types of disinfectant alcohol-based handrub.
SANS 504:2008	<i>Intelligent Transport Systems – Radio-frequency identification of vehicles – Parameters for uni-directional air interface communication.</i> Describes the physical and logical requirements for a passive, tag-talks-only, uni-directional radio-frequency identification system using a UHF propagation backscatter carrier and comprised of readers, interrogators and tags. Tags are passive, receiving all of their operating energy from the reader or interrogator's RF signal. Specifies the tag to reader interface, including collision detection, interrogator to tag interface, and the signalling layers of the communication links. Includes conformance requirements. Intended to be a law enforcement tool, enabling a cost efficient method of positively identifying vehicles without hindering the normal flow of traffic and providing vehicle identification at any attainable speed of the vehicle, data integrity and RF signal jam detection.
SANS 566:2008:2008/ ISO 10239:2000	<i>Small craft – Liquefied petroleum gas (LPG) systems.</i> Covers permanently installed LPG systems and LPG burning appliances on small craft of hull length up to 24 m, except for systems used on LPG-fuelled propulsion engines or LPG-driven generators. Does not cover appliances with directly attached gas cylinders such as portable self-contained camping stoves or portable gas lamps.
SANS 628:2008	<i>Mechanical ball type couplings of diameter exceeding 50 mm.</i> Specifies requirements for mechanical ball type couplings of diameter exceeding 50 mm.
SANS 656:2008	<i>Sound level meters.</i> Describes instruments (sound level meters) for the measurement of certain frequency-weighted and time-weighted sound pressure levels.
SANS 658:2008	<i>Integrating-averaging sound level meters.</i> Describes instruments for the measurement of frequency-weighted and time averaged sound pressure levels. Optionally, sound exposure levels may be measured. This standard is consistent with the relevant requirements of SANS 656, Sound level meters, but specifies additional characteristics which are necessary to measure the equivalent continuous sound pressure level, L_{eq} , of steady, intermittent, fluctuating and impulsive sounds.
SANS 1973-3:2008	<i>Low-voltage switchgear and controlgear ASSEMBLIES – Part 3: Safety of ASSEMBLIES with a rated prospective short-circuit current of up to and including 10 kA.</i> Applies to low-voltage switchgear and controlgear ASSEMBLIES that have a rated prospective short-circuit current of up to and including 10 kA, are stationary or movable, that have a rated voltage not exceeding 1 000 V a.c. at frequencies not exceeding 50 Hz, or 1 500 V d.c., that are intended for use in connection with the generation, transmission, distribution and conversion of electric energy and for the control of electric energy consuming equipment, and that are designed for use under normal conditions but excluding the use in explosive atmospheres where special requirements apply.
SANS 1973-8:2008	<i>Low-voltage switchgear and controlgear ASSEMBLIES – Part 8: Safety of minimally tested ASSEMBLIES (MTA) with a rated short-circuit current above 10 kA and a rated busbar current of up to and including 1 600 A a.c. and d.c..</i> Applicable to low-voltage switchgear and controlgear assemblies that are subjected to minimum tests for verifying the safety of the ASSEMBLY; that have a rated prospective short-circuit current above 10 kA and a rated busbar current of up to and including 1 600 A a.c. and d.c.; that are stationary or movable; that have a rated operational voltage not exceeding 1 000 V a.c.; that are intended for use in connection with the generation, transmission, distribution and conversion of electric energy; that incorporate control equipment, or power equipment (or both); and are designed for use under normal conditions but excluding the use in explosive atmospheres where special requirements apply.

Standard No. and year	Title, scope and purport
SANS 2374:2008/ ISO 2374:1983	<i>Lifting appliances – Range of maximum capacities for basic models.</i> Sets forth the recommended range of maximum capacities of cranes from 0,1 to 1 000 t. Applies to all types of cranes.
SANS 4304:2008/ ISO 4304:1987	<i>Cranes other than mobile and floating cranes – General requirements for stability.</i> Specifies the conditions to be met when verifying, by calculation, the stability of all crane types defined in ISO 4306-1 that are subject to tipping (except mobile cranes and floating cranes); it assumes that they are standing on a firm, level supporting surface or track. The sliding of cranes on their tracks is not covered by this standard.
SANS 4624:2008/ ISO 4624:2002	<i>Paints and varnishes – Pull-off test for adhesion.</i> Describes methods for determining the adhesion by carrying out a pull-off test on a single coating or a multi-coat system of paint, varnish or related product.
SANS 4892-2:2008/ ISO 4892-2:2006	<i>Plastics – Methods of exposure to laboratory light sources – Part 2: Xenon-arc lamps.</i> Specifies methods for exposing specimens to xenon-arc light in the presence of moisture to reproduce the weathering effects that occur when materials are exposed in actual end-use environments to daylight or to daylight filtered through window glass.
SANS 5667-10:2007/ ISO 5667-10:1992	<i>Water quality – Sampling – Part 10: Guidance on sampling of waste waters.</i> Contains details on the sampling of domestic and industrial waste water, i.e. the design of sampling programmes and techniques for the collection of samples. Covers waste water in all its forms, i.e. industrial waste water, and crude and treated domestic waste water.
SANS 5667-13:2007/ ISO 5667-13:1997	<i>Water quality – Sampling – Part 13: Guidance on sampling of sludges from sewage and water treatment works.</i> Gives guidance on the sampling of sludges from wastewater treatment works, water treatment works and industrial processes. Is applicable to all types of sludge arising from these works and also to sludges of similar characteristics, for example septic tank sludges.
SANS 5667-14:2007/ ISO 5667-14:1998	<i>Water quality – Sampling – Part 14: Guidance on quality assurance of environmental water sampling and handling.</i> Provides guidance on the selection and use of various quality assurance techniques relating to the manual sampling of surface, potable, waste, marine and ground waters.
SANS 5667-18:2007/ ISO 5667-18:2001	<i>Water quality – Sampling – Part 18: Guidance on sampling of groundwater at contaminated sites.</i> Provides guidance on the sampling of groundwater at potentially contaminated sites. Is applicable to situations where contamination of the subsurface could exist as a result of downward migration of pollutants whose source is at the surface or just below it, and when the guidance in ISO 5667-11 (published in South Africa as an identical adoption under the designation SANS 5667-11) is inappropriate.
SANS 5667-14:2007/ ISO 5667-14:1998	<i>Water quality – Sampling – Part 14: Guidance on quality assurance of environmental water sampling and handling.</i> Provides guidance on the selection and use of various quality assurance techniques relating to the manual sampling of surface, potable, waste, marine and ground waters.
SANS 6506-4:2008/ ISO 6506-4:2005	<i>Metallic materials – Brinell hardness test – Part 4: Table of hardness values.</i> Gives a table of the Brinell hardness values for use in tests on flat surfaces.
SANS 6507-4:2008/ ISO 6507-4:2005	<i>Metallic materials – Vickers hardness test – Part 4: Tables of hardness values.</i> Provides tables of Vickers hardness for use in tests made on flat surfaces.
SANS 8502-3:2008/ ISO 8502-3:1992	<i>Preparation of steel substrates before application of paint and related products – Tests for the assessment of surface cleanliness – Part 3: Assessment of dust on steel surfaces prepared for painting (pressure-sensitive tape method).</i> Describes a method for the assessment of dust remaining on cleaned steel surfaces prepared for painting. It provides pictorial ratings for the assessment of the average quantity of dust.
SANS 8845:2008/ ISO 8845:1994	<i>Small craft with inboard engine – Propeller shaft ends and bosses with 1:16 taper.</i> Specifies the dimensions for interchangeability of propeller bosses (hubs) and propeller shaft ends in the shaft diameter range of 20 mm to 160 mm with a taper of 1:16, intended for installation in inboard-engined recreational and commercial small craft.
SANS 10388:2008	<i>The inspection, examination and testing of lift trucks.</i> Covers provisions for the inspection, examination and testing of all lift trucks in service. Excludes the maintenance of these trucks.
SANS 12199:2008/ ISO 12199:2000	<i>Alphabetical ordering of multilingual terminological and lexicographical data represented in the Latin alphabet.</i> Specifies the sequence of characters to be used in the alphabetical ordering of multilingual terminological and lexicographical data (terms, term elements, or words) represented in the Latin alphabet. Character sets of languages represented in the Latin alphabet are taken into account insofar as terminological or lexicographical data have been recorded. Character sets used in internationally standardized transliteration into Latin script are also taken into account.
SANS 12615:2008/ ISO 12615:2004	<i>Bibliographic references and source identifiers for terminology work.</i> Applies to the recording, storing and exchange of information on bibliographic sources for terminological work and terminography. Specifies the data elements to be included in bibliographic references for terminology work. References can be used as data categories in computer applications in terminology or in presenting bibliographies and lists of references accompanying other textual matter, and citations in journal articles. Does not apply to bibliographic descriptions that record and identify documents and are used by librarians, bibliographers and indexers.
SANS 14065:2007/ ISO 14065:2007	<i>Greenhouse gases – Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition.</i> Specifies principles and requirements for bodies that undertake validation or verification of greenhouse gas (GHG) assertions.
SANS 14509:2008/ ISO 14509:2000	<i>Small craft – Measurement of airborne sound emitted by powered recreational craft.</i> Specifies the conditions for obtaining measurement results of the maximum sound pressure level of airborne sound generated by powered recreational craft of up to 24 m in length of hull, including inboards, stern drives, personal watercraft (PWC) and outboard motors used in conjunction with a standard craft.
SANS 16063-1:2008/ ISO 16063-1:1998	<i>Methods for the calibration of vibration and shock transducers – Part 1: Basic concepts.</i> Describes methods for the calibration of vibration and shock transducers. It also includes methods for the measurement of characteristics in addition to the sensitivity.

Standard No. and year	Title, scope and purport
SANS 16063-11:2008/ ISO 16063-11:1999	<i>Methods for the calibration of vibration and shock transducers – Part 11: Primary vibration calibration by laser interferometry.</i> Specifies the instrumentation and procedure to be used for primary vibration calibration of rectilinear accelerometers (with or without amplifier) to obtain magnitude and phase lag of the complex sensitivity by steady-state sinusoidal vibration and laser interferometry.
SANS 16063-21:2008/ ISO 16063-21:2003	<i>Methods for the calibration of vibration and shock transducers – Part 21: Vibration calibration by comparison to a reference transducer.</i> Describes the calibration of rectilinear vibration transducers by comparison. Although it mainly describes calibration using direct comparison to a standard calibrated by primary methods, the methods described can be applied between other levels in the calibration hierarchy.
SANS 20344:2008/ ISO 20344:2004	<i>Personal protective equipment – Test methods for footwear.</i> Specifies methods for testing footwear designed as personal protective equipment.
SANS 20345:2008/ ISO 20345:2004	<i>Personal protective equipment – Safety footwear.</i> Specifies basic and additional (optional) requirements for safety footwear.
SANS 50937:2007/ EN 937:1999	<i>Chemicals used for treatment of water intended for human consumption – Chlorine.</i> Applicable to chlorine used for treatment of water intended for human consumption. Describes the characteristics of chlorine and specifies the requirements and the corresponding test methods for chlorine. It also gives information on its use in water treatment.
SANS 51209:2007/ EN 1209:2003	<i>Chemicals used for treatment of water intended for human consumption – Sodium silicate.</i> Applicable to sodium silicate used for treatment of water intended for human consumption. Describes the characteristics and specifies the requirements and the corresponding test methods for sodium silicate. It also gives information on its use in water treatment.
SANS 52386:2007/ EN 12386:2005	<i>Chemicals used for treatment of water intended for human consumption – Copper sulfate.</i> Applicable to copper (II) sulfate pentahydrate used for treatment of water intended for human consumption. Describes the characteristics and specifies the requirements of copper (II) sulfate pentahydrate and refers to the corresponding analytical methods. It gives information for its use in water treatment. It also determines the rules relating to safe handling and use of copper (II) sulfate pentahydrate.
SANS 52671:2007/ EN 12671:2000	<i>Chemicals used for treatment of water intended for human consumption – Chlorine dioxide.</i> Applicable to chlorine dioxide for treatment of water intended for human consumption. Describes the characteristics for chlorine dioxide and specifies the requirements and the corresponding test methods for chlorine dioxide. It also gives information for its use in water treatment.
SANS 52842:2007/ EN 12842:2000	<i>Ductile iron fittings for PVC-U or PE piping systems – Requirements and test methods.</i> Specifies the requirements and associated test methods applicable to ductile iron fittings and their joints to be used with poly(vinyl chloride) (PVC-U) pipes or polyethylene (PE) pipes, for the construction of pipelines and to convey water (e.g. potable water) with or without pressure.
SANS 52901:2007/ EN 12901:1999	<i>Products used for treatment of water intended for human consumption – Inorganic supporting and filtering materials – Definitions.</i> Applicable to all inorganic supporting and filtering materials (ISFM) used for treatment of water intended for human consumption. Defines terms relating to ISFM.
SANS 52902:2007/ EN 12902:2004	<i>Products used for treatment of water intended for human consumption – Inorganic supporting and filtering materials – Methods of test.</i> Specifies methods of test to determine physical and chemical properties of Inorganic Supporting and Filtering Materials (ISFM).
SANS 52903:2007/ EN 12903:2003	<i>Products used for treatment of water intended for human consumption – Powdered activated carbon.</i> Applicable to powdered activated carbon used for treatment of water intended for human consumption. Describes the characteristics of powdered activated carbon and specifies the requirements and the corresponding test methods for powdered activated carbon. It also gives information on its use in water treatment.
SANS 52904:2007/ EN 12904:2005	<i>Products used for treatment of water intended for human consumption – Silica sand and silica gravel.</i> Applicable to silica sand and silica gravel used for treatment of water intended for human consumption. Describes the characteristics of silica sand and silica gravel and specifies the requirements and the corresponding test methods for silica sand and silica gravel. It also gives information on their use in water treatment.
SANS 52915-1:2008/ EN 12915-1:2003	<i>Products used for the treatment of water intended for human consumption – Granular activated carbon – Part 1: Virgin granular activated carbon.</i> Applicable to virgin granular activated carbon used for treatment of water intended for human consumption. Describes the characteristics of virgin granular activated carbon and specifies the requirements and the corresponding test methods for virgin granular activated carbon. It also gives information on its use in water treatment.
SANS 52915-2:2008/ EN 12915-2:2003	<i>Products used for the treatment of water intended for human consumption – Granular activated carbon – Part 2: Reactivated granular activated carbon.</i> Applicable to reactivated granular activated carbon used for treatment of water intended for human consumption. Describes the characteristics of reactivated granular activated carbon and specifies the requirements and the corresponding test methods for reactivated granular activated carbon. It also gives information on its use in water treatment.
SANS 53754:2008/ EN 13754:2003	<i>Products used for treatment of water intended for human consumption – Bentonite.</i> Applicable to bentonite used for treatment of water intended for human consumption. Describes the characteristics of bentonite and specifies the requirements and the corresponding test methods for bentonite. It also gives information on its use in water treatment.
SANS 53763-1:2008/ EN 13763-1:2004	<i>Explosives for civil uses – Detonators and relays – Part 1: Requirements.</i> Specifies the requirements for detonators, surface connectors, shock tube and detonating cord relays for civil uses. It does not cover electronic initiation systems (see SANS 53763-27) nor the devices and accessories for reliable and safe function of detonators and relays (see SANS 53763-26).
SANS 53763-26:2008/ EN 13763-26:2004	<i>Explosives for civil uses – Detonators and relays – Part 26: Definitions, methods and requirements for devices and accessories for reliable and safe function of detonators and relays.</i> This standard specifies the constructional and functional requirements for testing of devices and accessories needed for the reliable and safe initiation of detonators and relays, under normal working conditions.

Standard No. and year	Title, scope and purport
SANS 53763-27:2008/ CEN/TS 13763-27:2003	<i>Explosives for civil uses – Detonators and relays – Part 27: Definitions, methods and requirements for electronic initiation systems.</i> Specifies a risk analysis, evaluation and testing procedure to be used to investigate the safety and reliability of electronic initiation systems by identifying hazards and estimating the risks associated with the system. It also stipulates levels of acceptability for electronic initiation systems.
SANS 54821-1:2008/ CEN/TS 14821-1:2003	<i>Traffic and Travel Information (TTI) – TTI messages via cellular networks – Part 1: General specifications.</i> Provides a framework for traffic telematics (TT) service applications where data is produced at a centrally located service centre and is disseminated to terminals via a cellular radio network. Defines the specific interfaces and functionality and addresses the data specifications for both downlink and uplink messaging between a central location and randomly located vehicles. Enables messages to be exchanged between different systems and service providers adopting a variety of applications specifications. Enables device manufacturers to develop terminal equipment compatible with services based on this standard to allow for interoperability of different terminal equipment and service providers and for international availability of these services.
SANS 54821-2:2008/ CEN/TS 14821-2:2003	<i>Traffic and Travel Information (TTI) – TTI messages via cellular networks – Part 2: Numbering and ADP message header.</i> Defines the specific interfaces and functionality of traffic telematics (TT) services and application data protocol (ADP) i.e. a message set for a telematics service. Incorporates the message sets of the application data protocols and the service-independent communication handling (including conditional access and transport protocols). Provides the message type and the preferred language used in text elements of this message. Specifies the message type numbers assigned to all message types.
SANS 54821-3:2008/ CEN/TS 14821-3:2003	<i>Traffic and Travel Information (TTI) – TTI messages via cellular networks – Part 3: Basic information elements.</i> Describes the functionality, procedures and requirements of basic information elements and their interaction with the service centre. Includes information units of a message, general definitions, basic information elements with reference given to elements of year, month, day (of month), hour, minute and second, area and location coding, breakdown reasons and sequence of master data.
SANS 54821-4:2008/ CEN/TS 14821-4:2003	<i>Traffic and Travel Information (TTI) – TTI messages via cellular networks – Part 4: Service-independent protocols.</i> Describes standard transport protocol for optimizing of packet-oriented communication with low bandwidth. Offers the functionality to the layers which are essential to ensure consistent behaviour of terminal and service centres. Includes the transport protocol discriminator to distinguish between different types and versions of the service independent transport protocols. Comprises breakdown and emergency services, interactive traffic information services, broadcast traffic information services, navigation services, operator services and general information services.
SANS 54821-5:2008/ CEN/TS 14821-5:2003	<i>Traffic and Travel Information (TTI) – TTI messages via cellular networks – Part 5: Internal services.</i> Specifies the task of internal services to include the configuration and updating of master data, the administration and diagnosis of functions and parameters for all services, the administration of parameters specific to a particular service, and also to check onboard equipment. Summarizes the separate internal services in the areas of access management, in master data management, and diagnosis for onboard equipment basic functionality.
SANS 54821-6:2008/ CEN/TS 14821-6:2003	<i>Traffic and Travel Information (TTI) – TTI messages via cellular networks – Part 6: External services.</i> Specifies messages and requirements for distinguishing between and routing emergency services and breakdown assistance calls, dependent on service authorization and the mobile network in which the vehicle is located. Differentiates services within the service centre using the application ID detailed within the Call Type of the Assistance Message. In case of an emergency, this Assistance Message (generic term) is called "Emergency Call Message"; in case of a breakdown, it is called "Breakdown Assistance Message".
SANS 54821-7:2008/ CEN/TS 14821-7:2003	<i>Traffic and Travel Information (TTI) – TTI messages via cellular networks – Part 7: Performance requirements for onboard positioning.</i> Specifies requirements for the positioning components of road vehicle terminal devices. Contains performance requirements for the positioning modules of the first generation of onboard traffic telematics terminal devices, based on the quality requirements for the different traffic telematics services and the need to implement simple and cost-effective solutions suitable for automotive applications.
SANS 54821-8:2008/ CEN/TS 14821-8:2003	<i>Traffic and Travel Information (TTI) – TTI messages via cellular networks – Part 8: GSM-specific parameters.</i> Defines the definitions for implementing traffic telematics services in GSM networks on an open platform to ensure interoperability. Defines the parameters corresponding to the following terminology: Broadcast service; Data service center; Maximum data telegram length; Mobile identity; Mobile network address; Mobile network emergency call number; and Primary message ID.
SANS 60076-10-1:2008/ IEC 60076-10.1:2005	<i>Power transformers – Part 10-1: Determination of sound levels – Application guide.</i> Provides supporting information to help both manufacturers and purchasers apply measurement techniques described in SANS 60076-10 and is applicable to transformers and reactors together with their associated cooling auxiliaries.
SANS 61000-5-3:2008/ IEC 61000-5-3:1999	<i>Metallic materials – Vickers hardness test – Part 4: Tables of hardness values.</i> Provides tables of Vickers hardness for use in tests made on flat surfaces.
SANS 61000-5-4:2008/ IEC/TR 61000-5-4:1996	<i>Electromagnetic compatibility (EMC) – Part 5: Installation and mitigation guidelines – Section 4: Immunity to HEMP – Specifications for protective devices against HEMP radiated disturbance – Basic EMC publication.</i> Defines how protective devices for High Altitude Nuclear Electromagnetic Pulse (HEMP) protection of civilian systems are specified. Covers protective devices currently used for protection against HEMP radiated EM fields. In general, parameters relevant to HEMP, that is parameters related to very fast changes of EM fields, as a function of time, are dealt with.
SANS 61000-5-5:2008/ IEC 61000-5-5:1996	<i>Electromagnetic compatibility (EMC) – Part 5: Installation and mitigation guidelines – Section 5: Specification of protective devices for HEMP conducted disturbance – Basic EMC publication.</i> Defines how protective devices for conducted disturbance proposed for HEMP protection shall be specified. Intended to be used for the harmonization of existing or future specifications issued by protective device manufacturers, electronic equipment manufacturers, administrations and other ultimate buyers. Covers protective devices currently being used for protection against induced HEMP transients on signal and low voltage power lines (nominal voltage up to 1 kV a.c.).

Standard No. and year	Title, scope and purport
SANS 61672-3:2007/ IEC 61672-3:2006	<i>Electroacoustics – Sound level meters – Part 3: Periodic tests.</i> Describes procedures for periodic testing of conventional, integrating-averaging, and integrating sound level meters conforming to the class 1 or class 2 requirements of IEC 61672-1:2002 (published in South Africa as an identical adoption under the designation SANS 61672-1). The aim of the standard is to ensure that periodic testing is performed in a consistent manner by all testing laboratories.
SANS 62311:2008/ IEC 62311:2007	<i>Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz – 300 GHz).</i> Applies to electronic and electrical equipment for which no dedicated product or product family standard regarding human exposure to electromagnetic fields applies. Provides assessment methods and criteria to evaluate such equipment against basic restrictions or reference levels on exposure of the general public related to electric, magnetic and electromagnetic fields and induced and contact current.
SANS 301091-2:2008/ ETSI EN 301091-2:2004	<i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices; Road Transport and Traffic Telematics (RTTT); Radar equipment operating in the 76 GHz to 77 GHz range; – Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive.</i> Applies to Road Transport Traffic and Telematics (RTTT) systems with an integral antenna; systems for mobile applications only; and systems operating in the frequency range from 76 GHz to 77 GHz. The applicability of the present document covers only the 76 GHz to 77 GHz Radar equipment for road vehicles.

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 68:2003/ ISO 10282:2002	<i>Single-use sterile rubber surgical gloves – Specification. ISO corrigendum No. 1.</i> Changed to replace the reference to ISO 23529:2004, to add more information that relates to the powder-free surface as a finish (3.4), to correct "acceptable" to read "acceptance" (5.1), to correct "I" to read "G-I" (column 2 of table 1), to replace reference to ISO 4648 with ISO 23529 (6.1), and to correct "taking three test pieces" to read "taking three type 2 dumb-bell test pieces" (6.3.1).
SANS 105-E05:2008/ ISO 105-E05:2006	<i>Textiles – Tests for colour fastness – Part E05: Colour fastness to spotting: Acid.</i> Specifies a method for determining the resistance of the colour of textiles of all kinds and in all forms to the action of dilute solutions of organic and mineral acids.
SANS 105-E06:2008/ ISO 105-E06:2006	<i>Textiles – Tests for colour fastness – Part E06: Colour fastness to spotting: Alkali.</i> Specifies a method for determining the resistance of the colour of textiles of all kinds and in all forms to the action of dilute alkaline solutions.
SANS 105-J03:1995/ ISO 105-J03:1995	<i>Textiles – Tests for colour fastness – Part J03: Calculation of colour differences. ISO corrigendum No. 2.</i> Changed to update sub-clause 3.3.
SANS 190-1:2008 (Ed. 2.1)	<i>Expanded metal Part 1: Sheets and plates. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to remove reference to the standardization mark and to update a referenced standard.
SANS 190-2:2008 (Ed. 1.2)	<i>Expanded metal – Part 2: Building products. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, to remove reference to the standardization mark and to update a referenced standard.
SANS 191:2008 (Ed. 2.1)	<i>Cast steel gate valves. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable" and to update referenced standards.
SANS 201:2008 (Ed. 2.2)	<i>Sieve analysis, fines content and dust content of aggregates. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards and to update referenced standards.
SANS 216-1-1:2008 (Ed. 2.2)	<i>Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-1: Radio disturbance and immunity measuring apparatus - Measuring apparatus. Consolidated edition incorporating amendment No. 2.</i> Amended to change 'r.m.s. measuring receiver' to 'rms-average measuring receiver'.
SANS 216-4-4:2008/ CISPR/TR 16-4-4:2007	<i>Specification for radio disturbance and immunity measuring apparatus and methods – Part 4-4: Uncertainties, statistics and limit modelling – Statistics of complaints and a model for the calculation of limits for the protection of radio services.</i> Contains a recommendation on how to deal with statistics of radio interference complaints. Furthermore, it describes the calculation of limits for disturbance field strength and voltage for the measurement on a test site based on models for the distribution of disturbances by radiated and conducted coupling, respectively.
SANS 280:2008 (Ed. 2.1)	<i>Hole location in fencing posts and droppers. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 422:2008 (SABS 422:1988)	<i>Hospital nurses' shoes (Goodyear welted construction).</i> Applicable to six types of hospital nurses' shoes made in accordance with the Goodyear welted principle.
SANS 434:2008 (Ed. 4.2)	<i>Boiler suits and workwear suits. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards, to update the definition of "acceptable", to delete reference to the certification mark, and to update the referenced standards.
SANS 440:2008 (SABS 440:1987)	<i>Sterilized water for injections.</i> Covers chemical and biological requirements for water for injections that has been dispensed into suitable containers, sealed and sterilized. It also specifies the required marking.

Standard No. and year	Title, scope and purport
SANS 501:2008/ ISO 501:2003	<i>Hard coal – Determination of the crucible swelling number.</i> Specifies a method for determining the swelling properties of hard coal when heated in a covered crucible.
SANS 566:2008/ ISO 10239:2000	<i>Small craft – Liquefied petroleum gas (LPG) systems. ISO corrigendum No. 1.</i> Changed to correct a materials requirement (6.4.4) for LPG supply-line systems.
SANS 595:2008 (SABS 595:1987)	<i>Sterilized sodium chloride intravenous infusion.</i> Covers chemical and biological requirements for a solution of sodium chloride in water for injections that has been dispensed into suitable containers, sealed and sterilized. It also specifies the required marking.
SANS 597:2008 (SABS 597:1987)	<i>Sterilized compound sodium lactate intravenous infusion (Ringer-lactate solution for injection).</i> Covers chemical and biological requirements for a solution of sodium chloride, potassium chloride, calcium chloride and sodium lactate in water for injections that has been dispensed into suitable containers, sealed and sterilized. It also specifies the required marking.
SANS 598:2008 (SABS 598:1087)	<i>Sterilized dextrose intravenous infusion.</i> Covers chemical and biological requirements for a solution of dextrose in water for injections that has been dispensed into suitable containers, sealed and sterilized. It also specifies the required marking.
SANS 599:2008 (SABS 599:1987)	<i>Sterilized sodium chloride and dextrose intravenous infusion.</i> Covers chemical and biological requirements for a solution of sodium chloride and dextrose in water for injections that has been dispensed into suitable containers, sealed and sterilized. It also specifies the required marking.
SANS 637:2008 (Ed. 1.1)	<i>Wood-wool panels (cement-bonded). Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable" and to update the referenced standards.
SANS 719:2008 (Ed. 3.1)	<i>Electric welded low carbon steel pipes for aqueous fluids (large bore). Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards and to update the definition of "acceptable".
SANS 756:2008 (Ed. 1.2)	<i>Duplicator paper (metric units). Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards and to remove reference to the standardization mark.
SANS 761:2008 (Ed. 2.1)	<i>Plumage fillings. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of 'acceptable' and to delete reference to the standardization mark.
SANS 770:2008 (Ed. 2.2)	<i>Footwear laces. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards.
SANS 964:2008 (Ed. 3.1)	<i>Solas life-jackets. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update referenced standards, to delete a footnote to a referenced standard, to update the definition for "acceptable", and to delete reference to the Department of Transport.
SANS 1068:2008 (Ed. 1.3)	<i>Coats and jackets (protective, unlined). Consolidated edition incorporating amendment No. 3.</i> Amended to change the designation of SABS standards to SANS standards, to delete reference to the standardization mark scheme and to update a referenced standard.
SANS 1118-3:2008 (Ed. 3.3)	<i>School clothing – Part 3: Trousers and shorts. Consolidated edition incorporating amendment No. 3.</i> Amended to change the designation of SABS standards to SANS standards and to replace tables 1(a) and 1 (b) with a new size chart.
SANS 1118-4:2008 (Ed. 3.2)	<i>School clothing – Part 4: Shirts. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, to replace table 1 with a new size chart and to correct a cross reference.
SANS 1118-6:2008 (Ed. 3.3)	<i>School clothing – Part 6: Dresses, tunics and gyms. Consolidated edition incorporating amendment No. 3.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 1118-7:2008 (Ed. 3.3)	<i>School clothing – Part 7: Girls' slacks and skirts. Consolidated edition incorporating amendment No. 3.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 1118-9:2008 (Ed. 1.3)	<i>School clothing – Part 9: Knee-high stockings and ankle socks. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, to delete reference to the standardization mark scheme and to update referenced standards.
SANS 1118-10:2008 (Ed. 1.4)	<i>School clothing – Part 10: Jerseys and cardigans. Consolidated edition incorporating amendment No. 4.</i> Amended to change the designation of SABS standards to SANS standards and to update the referenced standards.
SANS 1118-11:2008 (Ed. 1.3)	<i>School clothing – Part 11: Briefs. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards and to update the referenced standards.
SANS 1118-12:2008 (Ed. 1.2)	<i>School clothing – Part 12: Tracksuits. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards and to update a referenced standard.
SANS 1118-13:2008 (Ed. 1.3)	<i>School clothing – Part 13: Athletic wear. Consolidated edition incorporating amendment No. 3.</i> Amended to change the designation of SABS standards to SANS standards and to update the referenced standards.
SANS 1186-4:2008 (Ed. 1.2)	<i>Symbolic safety signs – Part 4: Retro-reflective signs. Consolidated edition incorporating amendment No. 2.</i> Amended to change the observation angle from 2 to 1,5 degrees and to update a referenced standard.
SANS 1218:2008 (Ed. 1.5)	<i>Hydraulic oil (anti-wear type). Consolidated edition incorporating amendment No. 5.</i> Amended to delete reference to SANS 10053 and replace it by SANS 3448.

Standard No. and year	Title, scope and purport
SANS 1360-1:2008 (Ed. 1.2)	<i>Size designation of clothes – Part 1: Men's and boys' outerwear garments. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 1360-2:2008 (Ed. 1.2)	<i>Size designation of clothes – Part 2: Women's and girls' outerwear garments. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 1360-3:2008 (Ed. 1.2)	<i>Size designation of clothes – Part 3: Infants' garments. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 1360-4:2008 (Ed. 1.2)	<i>Size designation of clothes – Part 4: Gloves. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 1360-7:2008 (Ed. 1.1)	<i>Size designation of clothes – Part 7: Women's and girls' underwear, nightwear, foundation garments and shirts. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 1394-1:2008 (Ed. 2.2)	<i>Duvets and pillows – Part 1: Plumage filled. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards and to update the definition of "acceptable" and the referenced standards.
SANS 1457:2008 (Ed. 1.1)	<i>Plastics buttons. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of 'acceptable' and the referenced standards, and to delete reference to the standardization mark scheme.
SANS 1470-1:2008 (Ed. 1.2)	<i>Sound power labelling – Part 1: Compressors. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, and to update referenced standards.
SANS 1470-2:2008 (Ed. 1.2)	<i>Sound power labelling – Part 2: Welding generators. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, and to update referenced standards and the requirement regarding the operation of welding generator (4.3.4(b)).
SANS 1482:2008 (SABS 1482:2000)	<i>Ladies' shoes, flat lasted, with stuck-on outer soles.</i> Covers requirements for materials and construction for ladies' shoes made in accordance with the flat-lasted stuck-on principle.
SANS 1492-1:2008 (SABS 1492-1:2000)	<i>Men's shoes with stuck-on outer soles – Part 1: Flat lasted construction.</i> Specifies requirements for materials and construction for men's shoes with stuck-on outer soles, made in accordance with the flat lasted principle.
SANS 1492-2:2008 (SABS 1492-2:2000)	<i>Men's shoes with stuck-on outer soles – Part 2: California type construction.</i> Specifies requirements for materials and construction for men's shoes with stuck-on outer soles, made in accordance with the California type principle.
SANS 1492-3:2008 (SABS 1492-3:2000)	<i>Men's shoes with stuck-on outer soles – Part 3: Moccasin type construction.</i> Specifies requirements for materials and construction for men's shoes with stuck-on outer soles, made in accordance with the moccasin type principle, with or without reinforcing stitching.
SANS 1518:2008 (SABS 1518:2005)	<i>Transport of dangerous goods – Design, construction, testing, approval and maintenance of road vehicles and portable tanks.</i> Establishes requirements for the design, construction, testing, approval and maintenance of road vehicles of GVM equal to or above 3500 kg, and portable tanks used for the transport of dangerous goods.
SANS 1529-9:2008 (Ed. 2.1)	<i>Water meters for cold potable water – Part 9: Requirements for electronic indicators used with mechanical water meters, electronic water meters and electronic prepayment water measuring systems. Consolidated edition incorporating amendment No. 1.</i> Amended to delete a normative reference, to correct the numbering of definitions (clause 3) and a cross-reference in the note to 3.13, to change a requirement for an adjustment device (4.13), to add test severities in the performance test for electromagnetic susceptibility (5.5.4.11), to correct cross-references and the numbering of subclauses in the test for systems or meters with remote components (5.9) and in the annex on the verification of water meters or prepayment measuring systems when tested in a laboratory (annex B), and to add a requirement in the additional test for end of line prepayment measuring system shut-off valve (C.3.4(b)).
SANS 1551-1:2008 (Ed. 1.2)	<i>Check valves (flanged and wafer types) – Part 1: PN series. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable" and to update referenced standards.
SANS 1755:2008 (Ed. 1.3)	<i>Petroleum jelly (petrolatum).</i> Amended to change the designation of SABS standards to SANS standards, to update referenced standards and to update the definition of "acceptable".
SANS 1817:2008 (Ed. 1.1)	<i>Work on glass for glazing. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 1851:2008 (Ed. 1.1)	<i>Lubricating grease. Consolidated edition incorporating amendment No. 1.</i> Amended to update the definition of acceptable, to change the industrial high performance EP base oil viscosity of 68 to 680 to be 68 to 1000, to change the automotive and multi-purpose EP base oil viscosity of 68 to 680 to be 68 to 1000 and to update informative referenced standards.
SANS 1885:2008/ NRS 003:2008 (SABS 1885:2004)	<i>AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 36 kV.</i> Specifies the requirements for factory-assembled, modular design, metal-enclosed switchgear panels for indoor installation, for rated a.c. voltages above 1 kV and up to and including 36 kV, for use on three-phase systems. Enclosures may include fixed and removable components.
SANS 1891-1:2008 (Ed. 1.1)	<i>Performance requirements for clothing – Part 1: Shirts. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards and to update the referenced standards.

Standard No. and year	Title, scope and purport
SANS 1913:2008 (Ed. 1.2)	<i>Kerosene for domestic heating and illuminating. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 3759:2008/ ISO 3759:2007 (SABS ISO 3759:1994)	<i>Textiles – Preparation, marking and measuring of fabric specimens and garments in tests for determination of dimensional change.</i> Specifies a method for the preparation, marking and measuring of textile fabrics, garments and fabric assemblies for use in tests for assessing dimensional change after specified treatment, e.g. washing, dry cleaning, soaking in water and steaming. Applicable to woven and knitted fabrics and to flat-woven, made-up textile articles.
SANS 5511:2008 (SABS SM 511:1980)	<i>Oil resistance of vehicle ignition cables.</i> Specifies a method for the determination of the oil resistance of vehicle ignition cables.
SANS 5544:2008 (SABS SM 544:1980)	<i>Dimensions of aluminium and copper strip, sheet, rod, bar, tube, channel and angle.</i> Specifies a method for the determination of the dimensions of aluminium and copper strip, sheet, rod, bar, tube, channel and angle.
SANS 5553:2008 (SABS SM 553:1075)	<i>Media and reagents for microbiological tests.</i> Specifies the quality of ingredients and the general method to be used in the preparation of media and reagents for microbiological tests in which the use of different formulations and ingredients might influence the results of the test.
SANS 5761:2008 (SABS SM 761:1975)	<i>Examination for the presence of viable spores of mesophilic Clostridium organisms in foods.</i> Specifies a method for the determination of the presence of viable spores of mesophilic Clostridium organisms in foods.
SANS 5762:2008 (SABS SM 762:1975)	<i>Examination for the presence of viable Bacillus anthracis in foods.</i> Specifies a method for the examination for the presence of viable Bacillus anthracis in foods.
SANS 5778:2008 (SABS SM 778:1984)	<i>Redeposition index of laundry detergents.</i> Specifies a method for the determination of the redeposition index of laundry detergents. The index is calculated from the reflectance values of the test cloth before and after washing with the detergent.
SANS 5779:2008 (SABS SM 778:1988)	<i>Fluorescent whitening agent content of laundry detergents.</i> Specifies a method for the determination of the fluorescent whitening agent content of laundry detergents.
SANS 5788:2008 (SABS SM 788:1974)	<i>Diameter of circular crockery.</i> Specifies a method for the determination of the diameter of circular crockery.
SANS 5789:2008 (SABS SM 789:1974)	<i>Capacity of cups.</i> Specifies a method for the determination of the capacity of cups.
SANS 5790:2008 (SABS SM 791:1974)	<i>Impact strength of cups, saucers, and plates.</i> Specifies a method for the determination of the impact strength of cups, saucers, and plates.
SANS 5791:2008 SABS SM 791:1974)	<i>Resistance of saucers and plates to chipping.</i> Specifies a method for the determination of the resistance of saucers and plates to chipping.
SANS 5792:2008 (SABS SM 792:1074)	<i>Resistance of crockery to crazing.</i> Specifies a method for the determination of the resistance of crockery to crazing.
SANS 5793:2008 (SABS SM 793:1974)	<i>Resistance of crockery to thermal shock.</i> Specifies a method for the determination of the resistance of crockery to thermal shock.
SANS 5794:2008 (SABS SM 794:1974)	<i>Water absorption of crockery.</i> Specifies a method for the determination of the water absorption of crockery.
SANS 5796:2008 (SABS SM 796:1974)	<i>Resistance of crockery decoration to detergents and alkalis.</i> Specifies a method for the determination of the resistance of crockery decoration to detergents and alkalis.
SANS 5797:2008 (SABS SM 797:1982)	<i>Metal release from glazed crockery (plain or decorated), and acid resistance of decoration.</i> Specifies a method for the determination of the metal release from glazed crockery (plain or decorated), and acid resistance of decoration.
SANS 6101:2007 (SABS SM ;1101:1986)	<i>Adherence of dielectric to conductor of supporting cores of aerial bundled conductors.</i> Specifies a method of determining the coefficient of retro-reflected luminance of road marking and runway-marking paints by means of a portable instrument. The results will give an indication of the night-time visibility of road markings from the driver position and as illuminated by the headlights of a motor vehicle.
SANS 6261:2008 (SABS SM 1261:1998)	<i>Paints and varnishes – Determination of coefficient of retro-reflected luminance by means of a portable retro-reflectometer.</i> Specifies a method of determining the coefficient of retro-reflected luminance of road marking and runway-marking paints by means of a portable instrument. The results will give an indication of the night-time visibility of road markings from the driver position and as illuminated by the headlights of a motor vehicle.
SANS 8528-1:2008/ ISO 8528-1:2005 (SABS ISO 8528-1:1993)	<i>Reciprocating internal combustion engine driven alternating current generating sets – Part 1: Application, ratings and performance.</i> Defines various classifications for the application, rating and performance of generating sets consisting of a reciprocating internal combustion (RIC) engine, a.c. generator and any associated controlgear, switchgear and auxiliary equipment. Applies to a.c. generating sets driven by RIC engines for land and marine use, excluding generating sets used on aircraft or to propel land vehicles and locomotives.
SANS 8528-2:2008/ ISO 8528-2:2005 (SABS ISO 8528-2:1993)	<i>Reciprocating internal combustion engine driven alternating current generating sets – Part 2: Engines.</i> Specifies the principal characteristics (including the speed governing and speed characteristics) of a reciprocating internal combustion engine when used for a.c. generating set applications. It applies to RIC engines for a.c. generating sets for land and marine use, excluding generating sets used on aircraft or to propel land vehicles and locomotives.

Standard No. and year	Title, scope and purport
SANS 8528-3:2008/ ISO 8528-3:2005	<i>Reciprocating internal combustion engine driven alternating current generating sets – Part 3: Alternating current generators for generating sets.</i> Specifies the principal characteristics of a.c. generators under the control of their voltage regulators when used in generating applications. Applies to a.c. generators used in a.c. generating sets driven by reciprocating internal combustion engines for land and marine use, excluding generating sets used on aircraft or to propel land vehicles and locomotives. Supplements the requirements of SANS 60034-1.
SANS 8528-4:2008/ ISO 8528-4:2005 (SABS ISO 8528-4:1993)	<i>Reciprocating internal combustion engine driven alternating current generating sets – Part 4: Control gear and switchgear.</i> Specifies the criteria for control gear and switchgear for generating sets with reciprocating internal combustion (RIC) engines. Applies to a.c. generating sets driven by RIC engines for land and marine use, excluding generating sets used on aircraft or to propel land vehicles and locomotives.
SANS 8528-5:2008/ ISO 8528-5:2005 (SABS ISO 8528-5:2005)	<i>Reciprocating internal combustion engine driven alternating current generating sets – Part 5: Generating sets.</i> Defines terms and specifies design and performance criteria arising out of the combination of a reciprocating internal combustion (RIC) engine and an alternating current (a.c.) generator when operating as a unit. Applies to a.c. generating sets driven by RIC engines for land and marine use, excluding generating sets used on aircraft or to propel land vehicles and locomotives.
SANS 8528-6:2008/ ISO 8528-6:2005 (SABS ISO 8528-6:1993)	<i>Reciprocating internal combustion engine driven alternating current generating sets – Part 6: Test methods.</i> Specifies test methods to be used for characterizing a generating set. Applies to a.c. generating sets driven by reciprocating internal combustion engines for land and marine use, excluding generating sets used on aircraft or to propel land vehicles and locomotives.
SANS 8528-7:1994/ ISO 8528-7:1994	<i>Reciprocating internal combustion engine driven alternating current generating sets – Part 7: Technical declarations for specification and design. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 8845:2008/ ISO 8845:1994	<i>Small craft with inboard engine – Propeller shaft ends and bosses with 1:16 taper. ISO corrigendum No. 1.</i> Changed to correct the length of the threaded end length, l3, of propeller shafts of nominal diameter 120 to 160 by 10 mm (table 1).
SANS 10103:2008 (SABS 0103:2004)	<i>The measurement and rating of environmental noise with respect to annoyance and to speech communication.</i> Covers methods and gives guidelines to assess working and living environments with respect to acoustic comfort, excellence, and with respect to possible annoyance by noise (i.e. whether complaints could be expected). It also gives a method to predict speech communication efficiency.
SANS 10117:2008 (Ed. 2.2)	<i>Calculation and prediction of aircraft noise around airports for land use purposes. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards, cross-references, and a requirement regarding the determination of noise contours.
SANS 10134:2008 (Ed. 1.2)	<i>The safeness of private swimming pools. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable" and to correct a cross reference.
SANS 10188:2008 (Ed. 2.1)	<i>Standard methods of garment measurement. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 10211:2008 (Ed. 1.2)	<i>The measurement of noise inside motor vehicles. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, and to update referenced standards.
SANS 10302:2008 (Ed. 1.1)	<i>Tail lifts, mobile lifts and ramps associated with vehicles. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the referenced standards and to move reference to legislation to the foreword.
SANS 10313:2008 (SABS 0313:2005)	<i>Protection against lightning – Physical damage to structures and life hazard.</i> Provides requirements for protection of a structure against physical damage by means of a lightning protection system (LPS), and for protection against injury to living beings due to touch and step voltages in the vicinity of an LPS, including thatched roof structures and buildings with explosive or flammable substances. Makes provision for the issuing of a Certificate of Compliance (CoC) for LPSs.
SANS 10328:2008 (SABS 0328:2003)	<i>Methods for environmental noise impact assessments.</i> Covers procedures for environmental noise impact investigations and assessments.
SANS 10993-10:2004/ ISO 10993-10:2002	<i>Biological evaluation of medical devices – Part 10: Tests for irritation and delayed-type hypersensitivity. ISO amendment No. 1.</i> Amended to correct information in the scope regarding the use of devices, to modify the definition of solvent (3.16), to clarify a requirement in the step-wise approach (4(d)) and to add a note to this requirement, to correct time periods for clinical observation and grading of skin reactions (6.4.4.3.5) and for the response rate results given in the test report of the human skin irritation test (6.4.5.3(e)), to correct the editorial errors in the preliminary tests for the maximization test for delayed hypersensitivity (7.4.4.2) and in the indication phase of the main test of the closed-patch test for delayed hypersensitivity (7.5.4.3.1), to change the title for annex B and the general requirement (B.1) accordingly, to correct information regarding the degree of opacity of the cornea in table B2, to correct editorial errors in the test procedure in B.4.6 and in the macroscopic evaluation in the assessment of results (B.4.8.1 and B.5.8.1), to give the corrected full title of RTECS (C.1), and to correct an editorial error regarding the OECD draft guideline (C.1).
SANS 11193-1:2004/ ISO 11193-1:2002	<i>Single-use medical examination gloves – Part 1: Specification for gloves made from rubber latex or rubber solution. ISO corrigendum No. 1.</i> Changed to replace reference to ISO 4648:1991 with ISO 23529:2004, and to amend the words "taking these test pieces" to "taking three type 2 dumb-bell test pieces" (6.3.1). <i>ISO amendment No. 1.</i> Amended to change table 2 and to modify a marking requirement in 8.2.1(i) and 8.2.2(f).

Standard No. and year	Title, scope and purport
SANS 13818-1:2008/ ISO/IEC 13818-1:2007	<i>Information technology – Generic coding of moving pictures and associated audio information: Systems.</i> Specifies the system layer of the coding. It was developed principally to support the combination of the video and audio coding methods defined in ISO/IEC 13818-2 and ISO/IEC 13818-3 (published in South Africa as identical adoptions under the designations SANS 13818-2 and SANS 13818-3). The system layer supports six basic functions: the synchronization of multiple compressed streams on decoding; the interleaving of multiple compressed streams into a single stream; the initialization of buffering for decoding start up; continuous buffer management; time identification; multiplexing and signalling of various components in a system stream. <i>ISO/IEC amendment No. 1.</i> Defines the transport of MPEG-4 streaming text and MPEG-4 lossless audio over MPEG-2 systems.
SANS 14509:2008/ ISO 14509:2000	<i>Small craft – Measurement of airborne sound emitted by powered recreational craft. ISO amendment No. 1.</i> Amended to change the scope, to update a normative reference, to delete a footnote to a normative reference and to renumber the remaining footnotes, to change and to add certain definitions, to add text in the clauses on operating conditions (clause 10) and test reports (clause 12), to add a clause on requirements for the type testing of stern drives with integral exhaust systems in conjunction with standard craft (clause 14), to delete text in the annex on examples of test reports (annex B), and to update the bibliography.
SANS 14971:2008/ ISO 14971:2007	<i>Medical devices – Application of risk management to medical devices.</i> Specifies a process for a manufacturer to identify the hazards associated with medical devices, including in vitro diagnostic (IVD) medical devices, to estimate and evaluate the associated risks, to control these risks, and to monitor the effectiveness of the controls. The requirements of this standard are applicable to all stages of the life-cycle of a medical device. It does not apply to clinical decision making, neither does it specify acceptable risk levels. Although risk management can be an integral part of a quality management system, it does not require that the manufacturer have a quality management system in place.
SANS 20013:2004/ ECE R13:2004	<i>Uniform provisions concerning the approval of vehicles of categories M, N and O with regard to braking. ECE amendment No. 1.</i> Amended to change and to add requirements in the subclause on specifications (5.2.1.21), to change requirements and the title of, and to add requirements in, the annex on provisions relating to specific conditions for spring braking systems (annex 8), and to change symbols in the annex on utilization on adhesion (annex 13, appendix 2). <i>ECE corrigendum No. 1.</i> Corrected to change references in the subclause on specifications (5.2.1.28.5), the annex on type approval certificate concerning vehicle braking equipment (annex 2, appendix 2), and additional provisions applicable to certain vehicles as specified in the ADR (annex 5), and to change a formula in the annex on braking tests and performance of braking systems (annex 4). <i>ECE amendment No. 2.</i> Amended to change and to add requirements in the subclauses on specifications (5.2.2.15.2.1, 5.2.2.17 and 5.2.2.17.2). <i>ECE corrigendum No. 2.</i> Corrected to change the unit "bar" to read "kPa" throughout the text. <i>ECE amendment No. 3.</i> Amended to delete the references to footnotes 1 and 2 and their corresponding footnote and to renumber footnotes 3 to 9 and their corresponding footnotes, to change requirements on approval (4.2) and specifications (clause 5), to add requirements on transitional provisions (clause 12), to change and to add requirements in the annexes on arrangements of approval marks (annex 3), distribution of braking among the axles of vehicles and requirements for compatibility between towing vehicles and trailers (annex 10), and test requirements for vehicles fitted with anti-lock system (annex 13). <i>ECE corrigendum 1 to ECE amendment No. 3.</i> Corrected to change the scope. <i>ECE amendment No. 4.</i> Amended to add requirements in the clause on specifications (clause 5). <i>ECE corrigendum No. 1 to ECE amendment No. 4.</i> Corrected to change requirements in the clause on transitional provisions (clause 12). <i>ECE amendment No. 5.</i> Amended to change a requirement in the clause on specifications (clause 5), to change requirements in the annex on braking tests and performance of braking systems (annex 4), and to change and add requirements in the annex on distribution of braking among the axles of vehicles and requirements for compatibility between towing vehicles and trailers (annex 10). <i>ECE amendment No. 6.</i> Amended to change the title of, and to change, add and renumber requirements in, the annex on performance testing of braking components (annex 19). <i>ECE amendment No. 7.</i> Amended to change a requirement in the clause on specifications (clause 5), and to add and to change requirements in the annex on performance testing on braking components (annex 19).
SANS 20013-H:2005/ ECE R13-H:1998	<i>Uniform provisions concerning the approval of passenger cars with regard to braking. ECE amendment No. 3.</i> Corrected to change annex 3, subclause 1.4.3.2, by deleting the first sentence and rewriting the rest of the clause. <i>ECE amendment No. 4.</i> Amended to add definitions for braking signal and emergency braking signal, and to change and to add requirements in the subclauses on specifications (5.2.22 and 5.2.23).
SANS 20019:2008/ ECE R19:2006	<i>Uniform provisions concerning the approval of power-driven vehicle front fog lamps.</i> Applies to front fog lamps for vehicles of categories L3, L4, L5, L7, M, N, and T. <i>ECE amendment No. 1.</i> Amended to change the requirements for brief technical specification for application for approval (2.2.1) and the requirements for marking in the case of the lens undetachable from the main body (3.2), to specify the positioning and arrangement of the approval mark and symbols (4.2.2.5 and 4.3.2.1.1), to add certain requirements for front fog lamps and to renumber certain requirements on general specifications, to add transitional requirements for granting approvals for front fog lamps marked "B" (15.4), to delete the list of categories of filament lamps used for front fog lamps in annex 1, to change measuring equipment in tests for stability of photometric performance of headlamps in operation (annex 4), to change the method of testing of lens or material samples and of complete lamps (annex 5), and to change minimum requirements for sampling by an inspector (annex 7). <i>ECE amendment No. 2.</i> Amended to change the title and the scope to make the standard applicable for head lamps for vehicles of categories L3, L4, L5, L7, M, N and T.
SANS 20020:2008/ ECE R20:2006	<i>Uniform provisions concerning the approval of motor vehicle headlamps emitting an asymmetrical passing beam or a driving beam or both and equipped with halogen filament lamps (H4 lamps).</i> Applies to motor vehicle headlamps which may incorporate lenses of glass or plastic material.
SANS 20078:2008/ ECE R78:2007	<i>Uniform provisions concerning the approval of vehicles of categories L1, L2, L3, L4 and L5 with regard to braking.</i> Applies to vehicles of categories L1, L2, L3, L4 and L5. Does not include categories of (a) vehicles with a Vmax of < 25 km/h, and (b) vehicles equipped for disabled riders.

Standard No. and year	Title, scope and purport
SANS 20080:1989/ ECE R80:1989	<i>Uniform provisions concerning the approval of seats of large passenger vehicles and of these vehicles with regard to the strength of the seats and their anchorages. ECE amendment No. 2.</i> Amended to delete a reference in the scope. <i>ECE amendment No. 3.</i> Amended to change the definition for reference zone, and to change the footnote regarding the distinguishing number of the country which has granted approval in the clause on approval (clause 4). <i>ECE amendment No. 4.</i> Amended to change the scope, to insert a new footnote to the scope, to change the footnote regarding the distinguishing number of the country which has granted approval in the clause on approval (clause 4), to renumber the remaining footnotes, to change requirements in the appendix on test procedure for seats according to requirements for seats clause and/or anchorages according to requirements for a vehicle type (appendix 1) and measurements to be made (appendix 3), and to add an item and to renumber the remaining items in the annex on communication (annex 1). <i>National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 20344:2008/ ISO 20344:2004	<i>Personal protective equipment – Test methods for footwear. ISO corrigendum No. 1.</i> Corrected to modify the foreword and to update normative references. <i>ISO amendment No. 1.</i> Amended to add a normative reference and to insert requirements for footwear slip resistance.
SANS 20345:2008/ ISO 20345:2004	<i>Personal protective equipment – Safety footwear. ISO corrigendum No. 1.</i> Corrected to modify the foreword. <i>ISO amendment No. 1.</i> Amended to add a normative reference and to insert requirements for footwear slip resistance. <i>ISO corrigendum No. 2.</i> Corrected to modify the basic requirements for safety footwear.
SANS 50458:2008/ EN 458:2004 (SABS EN 458:1993)	<i>Hearing protectors – Recommendations for selection, use, care and maintenance - Guidance document.</i> Gives recommendations for the selection, use, care and maintenance of hearing protectors.
SANS 52915-1:2008/ EN 12915-1:2003	<i>Products used for the treatment of water intended for human consumption – Granular activated carbon – Part 1: Virgin granular activated carbon. EN corrigendum No. 1.</i> Modification of the superseding note on the title page and in the foreword.
SANS 52915-2:2008/ EN 12915-2:2003	<i>Products used for the treatment of water intended for human consumption – Granular activated carbon Part 2: Reactivated granular activated carbon. EN corrigendum No. 1.</i> Modification of the superseding note on the title page and in the foreword.
SANS 60076-1:2008/ IEC 60076-1:2000 (Ed. 1.1)	<i>Power transformers – Part 1: General. Consolidated edition incorporating amendment No. 1.</i> Amended to add requirements for electromagnetic compatibility.
SANS 60086-4:2008/ IEC 60086-4:2007 (SABS IEC 60086-4:2000)	<i>Primary batteries – Part 4: Safety of lithium batteries.</i> Specifies tests and requirements for primary lithium batteries to ensure their safe operation under intended use and reasonably foreseeable misuse.
SANS 60095-2:1984/ IEC 60095-2:1984	<i>Lead-acid starter batteries – Part 2: Dimensions of batteries and dimensions and marking of terminals. National amendment No. 2.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60335-2-79:2008/ IEC 60335-2-79:2007 (Ed. 2.2)	<i>Household and similar electrical appliances – Safety – Part 2-79: Particular requirements for high pressure cleaners and steam cleaners. Consolidated edition incorporating amendment No. 2.</i> Amended to delete and add definitions, to add and to change marking and instructions requirements; to change the requirements for moisture resistance, mechanical strength, construction, supply connection and external flexible cords, to add new figures to radiation toxicity and similar hazards, to add Annex AA Requirements to avoid backsiphonage and Annex BB Analysis for determining the necessary safety device to prevent backsiphonage.
SANS 60470:2008/ IEC 60470:2000 (SABS IEC 60470:1999)	<i>High-voltage alternating current contactors and contactor-based motor-starters.</i> Applicable to a.c. contactors and/or contactor-based 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 12 000 V.
SANS 60598-2-8:2008/ IEC 60598-2-8:2007 (Ed. 1.2)	<i>Luminaires – Part 2-8: Particular requirements – Handlamps. Consolidated edition incorporating amendment No. 2.</i> Amended to extend the scope to cover portable luminaires hooked up or resting on a surface, to change and add definitions, to include classification according to the circumstances of use, to add requirements for marking, to change the requirements for construction and to exclude PVC insulated and sheathed flexible cables and cords to be used for external or internal wiring.
SANS 60793-1-42:2008/ IEC 60793-1-42:2007 (SABS IEC 60793-1-42:2001)	<i>Optical fibres – Part 1-42: Measurement methods and test procedures – Chromatic dispersion.</i> Establishes uniform requirements for measuring the chromatic dispersion of optical fibre, thereby assisting in the inspection of fibres and cables for commercial purposes. Four methods are described: phase shift; spectral group delay in the time domain; differential phase shift; interferometry.
SANS 60793-2-10:2007/ IEC 60793-2-10:2007	<i>Optical fibres – Part 2-10: Product specifications – Sectional specification for category A1 multimode fibres.</i> Applicable to optical fibre types A1a, A1b, and A1d. These fibres are used or can be incorporated in information transmission equipment and optical fibre cables.
SANS 60793-2-20:2008/ IEC 60793-2-20:2007	<i>Optical fibres – Part 2-20: Product specifications – Sectional specification for category A2 multimode fibres.</i> Applicable to optical fibre types A2a, A2b and A2c. These fibres are used or can be incorporated in information transmission equipment and optical fibre cables (typically up to 2 km).
SANS 60793-2-30:2008/ IEC 60793-2-30:2007	<i>Optical fibres – Part 2-30: Product specifications – Sectional specification for category A3 multimode fibres.</i> Applicable to optical fibre types A3a, A3b, A3c, and A3d. These fibres are used or can be incorporated in information transmission equipment and optical fibre cables (typically up to 2 km).
SANS 61058-1:2001/ IEC 61058-1:2001 (Ed. 3.1)	<i>Switches for appliances – Part 1: General requirements. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.

Standard No. and year	Title, scope and purport
SANS 61378-1:1997/ IEC 61378-1:1997	<i>Convertor transformers – Part 1: Transformers for industrial applications. National amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.</i>

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 245:2000	<i>Soap powder or chips.</i>
SANS 424:1966	<i>The production of boys' and youths' school shoes (Goodyear welted with stitched or stuck-on outer soles).</i>
SANS 426:1966	<i>The production of girls' and maids' school shoes (Goodyear welted with stitched or stuck-on outer soles).</i>
SANS 800:1966	<i>Children's, youths', and maids' shoes with direct vulcanized soles and heels.</i>
SANS 1045:2000	<i>Toilet soap (superfatted).</i>
SANS 1565:1992	<i>Motor vehicle safety: Pneumatic tyres for passenger cars and trailers.</i>
SANS 1566:1992	<i>Motor vehicle safety: Pneumatic tyres for commercial vehicles and trailers.</i>
SANS 1577:1993	<i>Temporary-use spare-wheels/tyres.</i>
SANS 1700-4-2:1996	<i>Fasteners – Part 4: Tolerances Section 2: Bolts, screws and nuts with thread diameters from 1 up to 3 mm and product grade F for fine mechanics.</i>
SANS 1808-85:2004	<i>Water supply and distribution systems – Part 85: Oriented polyvinyl chloride (PVC-O) pressure pipes for underground use.</i>
SANS 5580:1969	<i>Pesticides: Biological evaluation of mothproof textiles containing wool.</i>
SANS 5581:1978	<i>Pesticides: Biological evaluation of wash-durability properties of mothproof textiles containing wool.</i>
SANS 5582:1978	<i>Pesticides: Biological evaluation of dry-cleaning-durability properties of mothproof textiles containing wool.</i>
SANS 5769:1978	<i>Cleanliness of blast-cleaned steel surfaces for painting (assessed by freedom from dust and debris).</i>
SANS 5857:1076	<i>Pesticides: Biological evaluation of mothproof textiles containing wool after exposure to artificial sunlight.</i>
SANS 10175:1980	<i>Tooth designation for dental purposes (two-digit system).</i>
SANS 10178:1981	<i>Denture identification marking.</i>
SANS 10212:1998	<i>The roadside roadworthiness assessment of motor vehicles.</i>
SANS 13869:1995	<i>Information technology – Telecommunications and information exchange between systems – Private Integrated Services Network – Inter-exchange signalling protocol – Call transfer supplementary service.</i>
SANS 13873:1995	<i>Information technology – telecommunications and information exchange between systems – Private Integrated Services Network – Inter-exchange signalling protocol – Call diversion supplementary services.</i>
SANS 15504-6:1998	<i>Information technology – Software process assessment – Part 6: Guide to competency of assessors.</i>
SANS 60478-1:1974	<i>Stabilized power supplies, d.c. output – Part 1: Terms and definitions.</i>
SANS 60478-5:1993	<i>Stabilized power supplies, d.c. output – Part 5: Measurement of the magnetic component of the reactive near field.</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.