DEPARTMENT OF TRADE AND INDUSTRY
DEPARTEMENT VAN HANDEL EN NYWERHEID

No. 1192 **22 August 2003**

STANDARDS ACT, 1993
STANDARDS MATTERS

In terms of the Standards Act, 1993 (Act 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 23-4:2003/ EN 10223-4:1998	*Steel wire and wire products for fences – Part 4: Steel wire welded mesh fencing.* Specifies requirements for steel wire welded mesh fencing of which there are many types for a variety of applications. Specifies the general characteristics of welded mesh fencing supplied as rolls or panels and coatings, properties and tolerances. Covers only orthogonal welded mesh i.e. wire welded at right angles to one another.
SANS 105-J01:2003/ ISO 105-J01:1997	*Textiles – Tests for colour fastness – Part J01: General principles for measurement of surface colour.* Is designed as a reference document to support the proper measurement of the colour of specimens by instrumental means as required in many parts of ISO 105. Describes general concepts and problems associated with reflectance colour measurement.
SANS 105-J03:2003/ ISO 105-J03:1995	*Textiles – Tests for colour fastness – Part J03: Calculation of colour differences.* Provides a method of calculating the colour difference between two specimens of the same material, measured under the same conditions. Also provides a means for establishing the ratio of differences in lightness to chroma and to hue.
SANS 216-4:2003/ CISPR 16-4:2002	*Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC measurements.* Specifies the manner in which measurement uncertainty is to be taken into account in determining compliance with CISPR limits.The material is also relevant to any EMC test when interpretation of the results and conclusions reached will be impacted by the uncertainty of the instrumentation used during the testing.
SANS 306-4:2003	*Fire extinguishing installations and equipment on premises – Part 4: Specification for carbon dioxide systems.* Specifies requirements and gives recommendations for the provision of carbon dioxide fire extinguishing systems in buildings or industrial plant. These systems are designed to convey carbon dioxide from a central source on the premises as and when required for the extinction of fire or the protection of particular plant or parts of the premises against possible fire risk. It gives requirements and characterisitics for carbon dioxide, the types of fires for which it is a recommended extinguishing medium, and requirements and recommendations for three established types of piped system for the application of carbon dioxide. Two methods of operation, i.e. manual and automatic, are also specified.
SANS 1896:2003	*Candles, illuminating.* Specifies the requirements for candles suitable for illuminating purposes, but does not cover decorative candles.
SANS 1904:2003	*Septic tanks.* Specifies the requirements for prefabricated septic tanks and ancillary equipment used for the partial treatment of domestic wastewater.
SANS 1906:2003	*Performance and safety of non-pressure paraffin stoves and heaters.* Covers the performance and safety requirements for non-pressure paraffin operated appliances (i.e. cooking stoves and heaters) intended for domestic use.
SANS 1927:2003	*Encasement bags for hot water storage cylinders.* Specifies the characteristics of encasement bags to be used in conjunction with fixed electrical storage water heating systems to prevent damage from water spillage and leaks resulting from such installation.
SANS 2230:2003/ ISO 2230:2002	*Rubber products – Guidelines for storage.* Gives guidelines for the inspection, recording procedures, packaging and storage of products, assemblies and components made from vulcanized or thermoplastic rubber prior to being put into circulation.
SANS 2882:2003/ ISO 2882:1979	*Rubber, vulcanized – Antistatic and conductive products for hospital use – Electrical resistance limits.* Specifies the limits for electrical resistance for certain antistatic and conductive products for hospital use.
SANS 2883:2003/ ISO 2883:1980	*Rubber, vulcanized – Antistatic and conductive products for industrial use – Electrical resistance limits.* Specifies limits for electrical resistance for certain antistatic and conductive products for industrial use.

Standard No. and year	Title, scope and purport
SANS 3302-2:2003/ ISO 3302-2:1998	*Rubber – Tolerances for products – Part 2: Geometrical tolerances.* Specifies the following geometrical tolerances for moulded and extruded solid rubber products, including those with metal inserts: flatness tolerance; parallelism tolerance; perpendicularity tolerance; coaxiality tolerance; positional tolerance. The tolerances are primarily intended for use with vulcanized rubber but may also be suitable for products made of thermoplastic rubbers.
SANS 3383:2003/ ISO 3383:1985	*Rubber – General directions for achieving elevated or subnormal temperatures for test purposes.* Specifies general requirements for achieving elevated or subnormal temperatures in the testing of rubber and other elastomeric materials.
SANS 3657:2003/ ISO 3657:2002	*Animal and vegetable fats and oils – Determination of saponification value.* Specifies a method for the determination of the saponification value of animal and vegetable fats and oils. The saponification value is a measure of the free and esterified acids present in fats and fatty acids. The method is applicable to refined and crude vegetable and animal fats.
SANS 4074:2003/ ISO 4074:2002	*Natural latex rubber condoms – Requirements and test methods.* Specifies the minimum requirements and the test methods to be used for condoms made from natural rubber latex which are supplied to consumers for contraceptive purposes and to assist in the prevention of sexually transmitted infections.
SANS 4648:2003/ ISO 4648:1991	*Rubber, vulcanized or thermoplastic – Determination of dimensions of test pieces and products for test purposes.* Specifies four methods for the measurement of the dimensions of solid vulcanized or thermoplastic rubber test pieces or products for test purposes, three contact methods, designated A, B and C, and one non-contact method, designated D.
SANS 4649:2003/ ISO 4649:2002	*Rubber – Vulcanized or thermoplastic – Determination of abrasion resistance using a rotating cylindrical drum device.* Specifies two methods for the determination of the resistance of rubber to abrasion by means of a rotating cylindrical drum device. The methods involve determination of the volume loss due to the abrasive action of rubbing a test piece over a specified grade of abrasive sheet. Method A is for a non-rotating test piece and method B for a rotating test piece. For each method, the result can be reported as a relative volume loss or an abrasion resistance index.
SANS 4661-1:2003/ ISO 4661-1:1993	*Rubber, vulcanized or thermoplastic – Preparation of samples and test pieces – Part 1: Physical tests.* Specifies methods of preparing test pieces from vulcanized and thermoplastic rubber for use in physical tests on rubber specified in other international standards.
SANS 4661-2:2003/ ISO 4661-2:1987	*Rubber, vulcanized – Preparation of samples and test pieces – Part 2: Chemical tests.* Specifies a method of preparing samples from vulcanized rubber for use in chemical tests.
SANS 4662:2003/ ISO 4662:1986	*Rubber – Determination of rebound resilience of vulcanizates.* Specifies a method of determining the rebound resilience of rubber in one narrow range of impact strain and strain rate, by means of any form of impacting and measuring apparatus conforming to the requirements described below. The test method is applicable to vulcanized rubbers, the hardness of which, at the test temperature, lies between 30 and 85 IRHD.
SANS 4663:2003/ ISO 4663:1986	*Rubber – Determination of dynamic behaviour of vulcanizates at low frequencies – Torsion pendulum method.* Specifies a method of determining the dynamic behaviour, that is the shear modulus and mechanical damping, of vulcanized rubbers over a wide temperature range at low frequencies in the range of 0,1 to 10 Hz, and comparatively low strain, with the aid of a torsion pendulum.
SANS 4664:2003/ ISO 4664:1998	*Rubber – Guide to the determination of dynamic properties.* Provides guidance on the determination of dynamic properties of vulcanized and thermoplastic rubbers. Includes both free- and forced-vibration methods for use with both materials and products. Does not cover rebound resilience nor cyclic tests in which the main objective is to fatigue the rubber.
SANS 5552/ISO 5552 (SABS ISO 5552:1997)	*Meat and meat products – Detection and enumeration of* Enterobacteriaceae *without resuscitation – MPN technique and colony-count technique.* Specifies a method for the detection and enumeration of *Enterobacteriaceae* present in all kinds of meat and meat products, including poultry.
SANS 5893:2003/ ISO 5893:1993	*Rubber and plastics test equipment – Tensile, flexural and compression types (constant rate of traverse) – Specification.* Specifies requirements for tensile-testing systems operating at constant rate of traverse and suitable for testing rubbers, plastics and adhesives, although any one system may only be applicable to a narrower range of materials. Also covers such systems when used for flexural, shear and compression tests.
SANS 6211-2:2003	*Domestic solar water heaters – Part 2: Thermal performance using an indoor test method.* Specifies an indoor test method for the determination of the thermal performance of domestic solar water heating systems for potable water and of storage capacity not exceeding 0,3 m^3.
SANS 6318:2003	*Detergents and cleaning agents – Determination of cleaning efficiency – Flat rectangular test plates.* Specifies a test method for determining the cleaning efficiency of detergents and other cleaning agents, using flat rectangular plates as test pieces.
SANS 6319:2003	*Detergents and cleaning agents – Determination of the effect on painted surfaces.* Specifies a method to determine the effects of detergents and cleaning agents on painted surfaces.
SANS 6461-1:2003/ ISO 6461-1:1986	*Water quality – Detection and enumeration of the spores of sulfite-reducing anaerobes (clostridia) – Part 1: Method by enrichment in a liquid medium.* Specifies a method for the detection and enumeration of the spores of sulfite-reducing anaerobes (clostridia) by enrichment in a liquid medium.
SANS 6461-2:2003/ ISO 6461-2:1986	*Water quality – Detection and enumeration of the spores of sulfite-reducing anaerobes (clostridia) – Part 2: Method by membrane filtration.* Specifies a method for the detection and enumeration of the spores of sulfite-reducing anaerobes (clostridia) by membrane filtration.

Standard No. and year	Title, scope and purport
SANS 6471:2003/ ISO 6471:1994	*Rubber, vulcanized – Determination of crystallization effects under compression.* Specifies a method for the determination of the tendency of vulcanized rubbers to crystallize, and the time dependence of crystallization, by measurement of the recovery of compressed test pieces. Crystallization, which occurs more rapidly under high compression, reduces the recovery process.
SANS 7619:2003/ ISO 7619:1997	*Rubber – Determination of indentation hardness by means of pocket hardness meters.* Specifies a method for the determination of the indentation hardness of rubber by means of pocket hardness meters of the Shore-type durometer and a meter calibrated in IRHD. Two types of Shore-type durometer are described: durometer type A is used for rubbers in the normal hardness range and type D for rubbers in the high hardness range.
SANS 7743:2003/ ISO 7743:1989	*Rubber, vulcanized or thermoplastic – Determination of compression stress-strain properties.* Specifies a method for the determination of the compression stress-strain properties of vulcanized or thermoplastic rubber, using a specified test piece. Two procedures are given: A: With the metal plates, through which the compressive force is applied, lubricated. B: With the metal plates, through which the compressive force is applied, bonded to the test piece. The method is not suitable for materials that exhibit high set.
SANS 8420:2003/ ISO 8420:2002	*Animal and vegetable fats and oils – Determination of content of polar compounds.* Describes a method for the determination of the content of polar compounds in animal and vegetable fats and oils. Polar compounds are formed during the heating of fats and thus the method serves to assess the deterioration of frying fats with use.
SANS 8662-5:2003/ ISO 8662-5:1992	*Hand-held portable power tools – Measurement of vibrations at the handle – Part 5: Pavement breakers and hammers for construction work.* Specifies a laboratory method for measuring the vibrations at the handles of hand-held power driven pavement breakers and hammers for construction work. It is a type test procedure for establishing the magnitude of vibration in the handle of a power tool operating under a specified load. The power tools may be electrically, pneumatically or hydraulically driven, or driven by means of an internal combustion engine.
SANS 8662-6:2003/ ISO 8662-6:1994	*Hand-held portable power tools – Measurement of vibrations at the handle – Part 6: Impact drills.* Specifies a laboratory method of measuring the vibrations occurring at the handles of hand-held power driven impact drills. It is a type test procedure for establishing the magnitude of vibrations at the handles of impact drills operating under a specified load.
SANS 8662-7:2003/ ISO 8662-7:1997	*Hand-held portable power tools – Measurement of vibrations at the handle – Part 7: Wrenches, screwdrivers and nut runners with impact, impulse or ratchet action.* Specifies a laboratory method for measuring vibrations at the handles of wrenches, screwdrivers and nut runners with impact, impulse, rapping or ratchet action. It is a type-test procedure for establishing the vibration value at the handles of the power tools when operating on a specified load. The power tools may be pneumatically or hydraulically driven.
SANS 8662-8:2003/ ISO 8662-8:1997	*Hand-held portable power tools – Measurement of vibrations at the handle – Part 8: Polishers and rotary, orbital and random orbital sanders.* Specifies a laboratory method for measuring the vibrations at the handles of a hand-held pneumatic polisher or rotary, orbital or random orbital sander. It is a type test procedure for establishing the magnitude of vibrations at the handles of the power tool when operating under a specified load.
SANS 8662-9:2003/ ISO 8662-9:1996	*Hand-held portable power tools – Measurement of vibrations at the handle – Part 9: Rammers.* Specifies a laboratory method of measuring the vibrations at the handles of rammers, backfill- rammers, pawing rammers and sand rammers for use in foundries, on building sites, etc. It is a type test procedure for establishing the magnitude of vibrations at the handles of the power tool when operating on the specified load.
SANS 8662-10:2003/ ISO 8662-10:1998	*Hand-held portable power tools – Measurement of vibrations at the handle – Part 10: Nibblers and shears.* Specifies a laboratory method of measuring the vibrations at the handles of hand-held pneumatically or hydraulically driven nibblers and shears. It is a type-test procedure for establishing the vibration value at the handles of the power tool when operating on a specified load.
SANS 8662-11:2003/ ISO 8662-11:1999	*Hand-held portable power tools – Measurement of vibrations at the handle – Part 11: Fastener driving tools.* Specifies a laboratory method for measuring the single-event vibration at the handle of fastener driving tools, where a single event is a mechanical shock or a series of individual shocks at intervals longer than 0,2 s. It is a type test procedure for establishing the vibration value in the handle of a hand-held power tool operating under a specified load.
SANS 8662-12:2003/ ISO 8662-12:1997	*Hand-held portable power tools – Measurement of vibrations at the handle – Part 12: Saws and files with reciprocating action and saws with oscillating or rotating action.* Specifies a laboratory method for measuring the vibrations at the handles of hand-held pneumatic saws with reciprocating, rotating or oscillating action and files with reciprocating action. It is a type-test procedure for establishing the magnitude of vibrations at the handles of the power tool when operating under a specified load.
SANS 8662-13:2003/ ISO 8662-13:1997	*Hand-held portable power tools – Measurement of vibrations at the handle – Part 13: Die grinders.* Specifies a laboratory method for measuring the vibration at the handles of power-driven die grinders where the inserted tool is mounted in a collet. It is a type-test procedure for establishing the vibration value at the handles of the die grinder when fitted with a specified test device. It applies to die grinders which are pneumatically driven.
SANS 8662-14:2003/ ISO 8662-14:1996	*Hand-held portable power tools – Measurement of vibrations at the handle – Part 14: Stone-working tools and needle scalers.* Specifies a laboratory method of measuring the vibrations at the handles of hand-held stone-working power tools and needle scalers. It is a type test procedure for establishing the magnitude of vibrations at the handles of the power tool when operating on the artificial load. The power tools may be pneumatically or hydraulically driven.
SANS 9866-1:2003/ ISO 9866-1:1991	*Textiles – Effect of dry heat on fabrics under low pressure – Part 1: Procedure for dry-heat treatment of fabrics.* Specifies a method for the dry-heat treatment of fabrics for use in assessing the dimensional stability and other heat-related properties of fabrics.

Standard No. and year	Title, scope and purport
SANS 9866-2:2003/ ISO 9866-2:1991	*Textiles – Effect of dry heat on fabrics under low pressure – Part 2: Determination of dimensional change in fabrics exposed to dry heat.* Specifies a method for determining the dimensional change of fabrics on exposure to dry heat. It is intended to predict the behaviour of fabrics in garment-making processes such as fusing and transfer printing.
SANS 10034-2:2003/ ISO 34-2:1996	*Rubber, vulcanized or thermoplastic – Determination of tear strength – Part 2: Small (Delft) test pieces.* Specifies a method for the determination of the tear strength of small test pieces (Delft test pieces) of vulcanized or thermoplastic rubber.
SANS 10037:2003/ ISO 37:1994	*Rubber, vulcanized or thermoplastic – Determination of tensile stress-strain properties.* Describes a method for the determination of the tensile stress-strain properties of vulcanized and thermoplastic rubbers. The properties which may be determined are the tensile strength, the elongation at break, the stress at a given strain and the elongation at a given stress. Means of specifying or determining the yield point are also given.
SANS 10222-5-1-4:2003	*Electrical security installations – Part 5-1-4: CCTV installations – CCTV surveillance systems for use in security applications – Testing, commissioning and hand-over requirements.* Gives recommendations for the testing, commissioning and hand-over of CCTV systems used in security applications.
SANS 10222-5-1-5:2003	*Electrical security installations – Part 5-1-5: CCTV installations – CCTV surveillance systems for use in security applications – Maintenance requirements.* Gives recommendations for the maintenance of closed circuit television (CCTV) equipment comprising camera(s), monitor(s), video recorder(s), switching control and ancillary equipment for use in security applications.
SANS 10284:2003/ ISO 284:1982	*Conveyor belts – Electrical conductivity – Specification and method of test.* Specifies the maximum electrical resistance of a conveyor belt and the corresponding method of measurement. The test is intended to ensure that the belt is sufficiently conductive to drain off charges of electricity which may form on it in service.
SANS 10380:2003	*Procedures for sampling vegetation according to scale.* Details methods for sampling or resampling natural vegetation, according to scale, which can be used for sustainable utilization and improved renewable vegetation resource quality.
SANS 10389-1:2003	*Exterior lighting – Part 1: Artificial lighting of exterior areas for work and safety.* Covers requirements for good lighting and gives recommended good practices for the lighting of outdoor areas where work is performed, for storage areas and where the safety of the movement of the public is of prime importance.
SANS 10389-2:2003	*Exterior lighting – Part 2: Exterior security lighting.* Covers the planning, design and application of exterior security lighting systems.
SANS 11345:2003/ ISO 11345:1997	*Rubber – Assessment of carbon black dispersion – Rapid comparative methods.* Specifies qualitative visual test methods for the rapid and comparative assessment of macrodispersion only of carbon black in rubber. Ratings are made relative to a set of standard photographs (ratings 1-10), and the results are expressed on a numerical scale.
SANS 11346:2003/ ISO 11346:1997	*Rubber, vulcanized or thermoplastic – Estimation of life-time and maximum temperature of use from an Arrhenius plot.* Describes the principles and procedures for estimating the life-time and maximum temperature of use of vulcanized or thermoplastic rubbers, using an Arrhenius plot. Is suitable for different tests on rubber, but for tests under stress or deformation (creep, relaxation, etc.) physical (viscoelastic) changes of material cannot easily be separated from any chemical change. Then the Arrhenius equation is no longer the only possible model, and the Williams, Landel, Ferry (WLF) equation may be more suitable to represent the change in the material as a function of time.
SANS 11407:2003/ ISO 1407:1992	*Rubber – Determination of solvent extract.* Specifies two methods for the quantitative determination of extractable material from raw rubbers, both natural and synthetic, and their unvulcanized and vulcanized compouds. Method B is a rapid extraction method, while method A is for use in cases of dispute.
SANS 11431-1:2003/ ISO 1431-1:1989	*Rubber, vulcanized or thermoplastic – Resistance to ozone cracking – Part 1: Static strain test.* Specifies a method for the determination of resistance of vulcanized or thermoplastic rubbers to cracking when exposed, under static tensile strain, to air containing a definite concentration of ozone and at a definite temperature in circumstances that exclude the effects of direct light.
SANS 11431-2:2003/ ISO 1431-2:1994	*Rubber, vulcanized or thermoplastic – Resistance to ozone cracking – Part 2: Dynamic strain test.* Specifies a method intended for use in estimating the resistance of vulcanized or thermoplastic rubbers to cracking when exposed, under dynamic tensile strain, to air containing a definite concentration of ozone and at a definite temperature in circumstances that exclude the effects of direct light.
SANS 11431-3:2003/ ISO 1431-3:2000	*Rubber, vulcanized or thermoplastic – Resistance to ozone cracking – Part 3: Reference and alternative methods for determining the ozone concentration in laboratory test chambers.* Describes three types of method for the determination of ozone concentration in laboratory test chambers, i.e. a method for UV absorption, a method for instrumental techniques and a method for wet-chemical techniques.
SANS 11432:2003/ ISO 1432:1988	*Rubber, vulcanized or thermoplastic – Determination of low temperature stiffening (Gehman test).* Specifies a static procedure, known as the Gehman test, for determining the relative stiffness characteristics of vulcanized or thermoplastic rubbers over a temperature range from room temperature to approximately –150 °C.
SANS 11817:2003/ ISO 1817:1999	*Rubber, vulcanized – Determination of the effect of liquids.* Describes methods of evaluating the resistance of vulcanized thermoset or thermoplastic rubbers to the action of liquids by measurement of properties of the rubbers before and after immersion in test liquids. The liquids concerned include current service liquids, such as petroleum derivatives, organic solvents and chemical reagents as well as reference test liquids.

Standard No. and year	Title, scope and purport
SANS 11853:2003/ ISO 1853:1998	*Conducting and dissipative rubbers, vulcanized or thermoplastic – Measurement of resistivity.* Specifies the requirements for the laboratory testing of the volume resistivity of specially prepared test pieces of vulcanized or thermoplastic rubber compounds rendered conducting or dissipative by the inclusion of carbon black or ionizable materials. Antistatic properties may also be conferred on rubber materials by the incorporation of ionizable materials into the rubber mix. The test is suitable for materials with a resistivity of less than 10^{10} Ωm.
SANS 12710:2003/ ISO 12710:2002	*Non-destructive testing – Ultrasonic inspection – Evaluating electronic characteristics of ultrasonic test instruments.* Establishes the procedures for measuring performance characteristics of components of pulse-echo ultrasonic non-destructive testing instruments including both analog and digital type instruments with screen displays.
SANS 14015:2003/ ISO 14015:2003	*Environmental management – Environmental assessment of sites and organizations (EASO).* Provides guidance on how to conduct an EASO through a systematic process of identifying environmental aspects and environmental issues and determining, if appropriate, their business consequences.
SANS 15947:2003/ ISO/IEC TR 15947:2002	*Information technology – Security techniques – IT intrusion detection framework.* Defines a framework for detection of intrusions in IT systems, including intrusions that are intentional or unintentional, legal or illegal, harmful or harmless and unauthorized access by insiders or outsiders.
SANS 16037:2003/ ISO 16037:2002	*Rubber condoms for clinical trials – Measurement of physical properties.* Intended as a guideline for clinical researchers working with condoms. Suggests a series of laboratory tests to be conducted on the products to be used in any clinical investigation, so that it will be easier to relate the clinical results to the design and quality of the condoms used.
SANS 16133:2003/ ISO 6133:1998	*Rubber and plastics – Analysis of multipeak traces obtained in determinations of tear strength and adhesion strength.* Specifies five methods of calculating, after testing, the tear strength and adhesion strength of vulcanized rubber or fabrics coated with or adhered to rubber or plastics. The results are calculated by determining the median and range of peak values from a graphical plot of force versus time recorded during the test.
SANS 19120:2003/ ISO/TR 19120:2001	*Geographic information – Functional standards.* Seeks to identify the components of those recognized functional standards and to identify elements that can be harmonized between these standards and with the ISO/TC 211 base standards.
SANS 20039:2003/ ECE R39:2003	*Uniform provisions concerning the approval of vehicles with regard to the speedometer equipment including its installation.* Applies to the approval of vehicles of categories L, M and N.
SANS 60064:2003/ IEC 60064:1993	*Tungsten filament lamps for domestic and similar general lighting purposes – Performance requirements.* Applies to tungsten filament incandescent lamps for general lighting service (GLS) which comply with the safety requirements in IEC 432-1.
SANS 61282-5:2003/ IEC TR 61282-5:2002	*Fibre optic communication system design guides – Part 5: Accommodation and compensation of dispersion.* Applies to the accommodation and compensation of dispersion in fibre optic communication systems.
SANS 61326:2003/ IEC 61326:2002	*Electrical equipment for measurement, control and laboratory use – EMC requirements.* Specifies minimum requirements for immunity and emissions regarding electromagnetic compatibility (EMC) for electrical equipment, operating from a supply of less than 1 000 V a.c. or 1 500 V d.c. or from the circuit being measured, intended for professional, industrial-process and educational use, including equipment and computing devices for measurement and test; control; laboratory use; accessories intended for use with the above (such as sample handling equipment), intended to be used in industrial and non-industrial locations.
SANS 61386-21:2003/ IEC 61386-21:2002	*Conduit systems for cable management – Part 21: Particular requirements – Rigid conduit systems.* Specifies the requirements for rigid conduit systems.
SANS 61386-22:2003/ IEC 61386-22:2002	*Conduit systems for cable management – Part 22: Particular requirements – Pliable conduit systems.* Specifies the requirements for pliable conduit systems including self-recovering conduit systems.
SANS 61386-23:2003/ IEC 61386-23:2002	*Conduit systems for cable management – Part 23: Particular requirements – Flexible conduit systems.* Specifies the requirements for flexible conduit systems.
SANS 61746:2003/ IEC 61746:2001	*Calibration of optical time-domain reflectometers (OTDRs).* Provides procedures for calibrating single-mode optical time domain reflectometers (OTDRs). Only covers OTDR measurement errors and uncertainties.
SANS 100013:2003/ ISO/TR 10013:2001	*Guidelines for quality management system documentation.* Provides guidelines for the development and maintenance of the documentation necessary to ensure an effective quality management system, tailored to the specific needs of the organization. The use of these guidelines will aid in establishing a documented system as required by the applicable quality management system standard.
SANS 301489-5:2003/ ETSI EN 301489-5:2002	*Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 5: Specific conditions for Private land Mobile Radio (PMR) and ancillary equipment (speech and non-speech).* Together with SANS 301489-1[1], covers the assessment of Private land Mobile Radio (PMR) and associated ancillary equipment, in respect of ElectroMagnetic Compatibility (EMC). Covers both the analogue and digital Private land Mobile Radio (PMR) equipment.
SANS 301489-18:2003/ ETSI EN 301489-18:2002	*Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 18: Specific conditions for Terrestrial Trunked Radio (TETRA) equipment.* Together with SANS 301489-1[1], covers the assessment of TErrestrial Trunked Radio (TETRA) radiocommunications and ancillary equipment in respect of EletroMagnetic Compatibility (EMC).Technical specifications related to the antenna port and emissions from the enclosure port of radio equipment are not included in the present document.

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 105-J03:2003/ ISO 105-J03:1995	*Textiles – Tests for colour fastness – Part J03: Calculation of colour differences. Technical corrigendum No. 1.* Changed to correct errors in the text of annex B on representative test data for the CMC.
SANS 131:1997/ ISO 1171 (SABS ISO 1171:1997)	*Solid mineral fuels – Determination of ash content. ISO technical corrigendum No. 1.* Amended to delete 'content' throughout the document.
SANS 174:1992/ ISO 1513 (SABS ISO 1513:1992)	*Paints and varnishes – Examination and preparation of samples for testing. ISO technical corrigendum No. 1.* Amended to delete reference to type E products in the document.
SANS 182-3:2003 (Ed. 1.5)	*Conductors for overhead electrical transmission lines – Part 3: Aluminium conductors, steel reinforced. Consolidated edition incorporating amendment No. 5.* Amended to delete reference to the certification mark scheme, to delete withdrawn referenced standards, to correct values for load settings (table 6), to correct values for standard diameter and overall diameter (table C), to correct the unit for reference area of stranded conductors (B.1(a)), to correct a value for the number of wires in an aluminium conductor and a stranding constant for steel (table D.1), and to correct the note to calculated breaking strength of a stranded conductor.
SANS 186:2003 (Ed. 3.1)	*Energy regulators for electric heating units. Consolidated edition incorporating amendment No. 1.* Amended to correct the procedure for the performance test at 200 V and delete references to SABS ISO 9002 and SABS ISO 9003.
SANS 214-1:2003/ CISPR 14-1:2002 (Ed. 2.2)	*Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 1: Emission. Consolidated edition incorporating CISPR amendment No. 2.* Amended to add a formula for the start frequency for the measurement of the terminal voltage, to add requirements for aquastop valves, and to add a requirement when instantaneous switching is experienced.
SANS 216-1:2003/ CISPR 16-1:2002 (Ed. 2.1)	*Specification for radio disturbance and immunity measuring apparatus and methods – Part 1: Radio disturbance and immunity measuring apparatus. Consolidated edition incorporating CISPR amendment No. 1.* Amended to add a new subclause for response to intermittent, unsteady and drifting narrowband disturbances and to add a new normative annex X.
SANS 216-2:2003/ CISPR 16-2:2002 (Ed. 1.2)	*Specification for radio disturbance and immunity measuring apparatus and methods – Part 2: Methods of measurement of disturbances and immunity. Consolidated edition incorporating CISPR amendment No. 2.* Amended to add a new informative annex E and to add new requirements when measurements are conducted on 'in situ' equipment.
SANS 224:1997/ CISPR 24:1997	*Information technology equipment – Immunity characteristics – Limits and methods of measurement. CISPR amendment No. 2.* Amended to add CISPR 20 as a normative reference, to add a new definition for multifunction equipment, and to add new figures A.1 to A.8 for telecommunications terminal equipment.
SANS 550-1:2003 (Ed. 3.1)	*Wooden ladders – Part 1: General requirements and methods of test. Consolidated edition incorporating amendment No. 1.* Amended to correct referenced standards and the definition of "acceptable".
SANS 727:2003 (Ed. 2.3)	*Windows and doors made from rolled mild steel sections. Consolidated edition incorporating amendment No. 3.* Amended to raise a wedge on the outer window frame (as an alternative, if so desired), to allow the window catch to lock onto it when shutting the window, and to update referenced standards.
SANS 741:2003 (Ed. 3.2)	*Industrial boots (including safety boots) with direct-vulcanized soles and heels. Consolidated edition incorporating amendment No 2.* Amended to include the use of laces with cores, and to update the definition for "acceptable".
SANS 753:1994	*Pine poles, cross-arms and spacers for power distribution, telephone systems and street lighting. Amendment No. 5.* Amended to change the definitions for "acceptable" and "approved", to update references to align with international standards, and to change the requirements and methods for marking.
SANS 754:1994	*Eucalyptus poles, cross-arms and spacers for power distribution and telephone systems. Amendment No. 4.* Amended to change the definitions for "acceptable" and "approved", to update references to align with international standards, to delete reference to SABS 02, to change the method to determine penetration, and to change the requirements and methods for marking.
SANS 892:2003 (Ed. 3.2)	*General purpose detergent (beads, granules and powders). Consolidated edition incorporating amendment No. 2.* Amended to update the definition for "acceptable"; to change the tests for the effect on painted surfaces and corrosiveness to aluminium, and to update the relevant referenced standards. Also amended to change the references for the test panels, for the artificial soil and for the standard detergent in the test for cleaning efficiency; to update the reference to SANS 9001 in line with the international standard; and to correct a reference in the sampling and compliance clause.
SANS 938:2003 (Ed. 1.2)	*Unpolished twines. Consolidated edition incorporating amendment No. 2.* Amended to replace SABS SM 77 with SANS 2062, to include annex D, to change the definition of "acceptable" and to update the certification mark.
SANS 1114:2003 (Ed. 3.2)	*Industrial boots (including safety boots) with stuck-on pre-moulded or direct-injection-moulded soles and heels. Consolidated edition incorporating amendment No. 2.* Amended to allow the use of laces with cores, to change a design requirement and requirements for lasts and style, and to update the definition for "acceptable". Also amended to correct a size number of type A boots in column 1 of table 8, to correct the wording in the requirement for pre-moulded outer-sole-and-heel units, to correct the formula for the calculation of the percentage moisture resistance, and to correct one of the requirements for a design C boot.

Standard No. and year	Title, scope and purport
SANS 1168:2003 (Ed. 3.2)	*Industrial shoes (including safety shoes) with direct-vulcanized soles and heels. Consolidated edition incorporating amendment No 2.* Amended to include the use of laces with cores, and to update the definition for "acceptable".
SANS 1177:2003 (Ed. 1.4)	*Terry jacquard articles. Consolidated edition incorporating amendment No. 3.* Amended to replace references to SABS methods which have been withdrawn and superseded with references to SANS methods/ISO methods (SABS ISO methods), and to update the definition of "acceptable."
SANS 1307:2003 (SABS 1307:1992)	*Domestic solar water heaters.* Specifies the characteristics of domestic solar water heaters. Is not applicable to solar water heaters for swimming pools or to industrial and commercial solar water heaters.
SANS 1341:2003 (Ed. 1.2)	*Detergent for high-pressure cleaning (hot and steam cleaning). Consolidated edition incorporating amendment No. 2.* Amended to change references to the standard grease and the standard detergent, and to delete information on the ball-bearings (in the cleaning efficiency test); to update test methods for corrosiveness and for the effect on painted surfaces and the relevant applicable standards; to delete the appendix on analysis of the standard detergent; to update applicable standards in line with international standards; and to create a bibliography for informative references.
SANS 1344:2003 (Ed. 1.5)	*Medium duty solvent detergent. Consolidated edition incorporating amendment No. 5.* Amended to change the tests for corrosiveness, the effect on painted surfaces, and cleaning efficiency (including the references to the ingredients in artificial soil and to the standard cleaning compound), to update the relevant applicable standards; and to update other applicable standards in line with international standards.
SANS 1460:2003 (Ed. 1.3)	*Laminated timber (glulam). Consolidated edition incorporating amendment No. 3.* Amended to update normative references and the definition for "acceptable".
SANS 1594:2003 (SABS 1594:1995)	*Manually operated chain blocks.* Specifies requirements for chain blocks that require the use of a hand chain for hoisting and lowering.
SANS 1809:2003 (Ed. 1.1)	*Fail-safe underground mine locomotive control systems. Consolidated edition incorporating amendment No. 1.* Amended to remove reference to SANS 1222 (SABS 1222).
SANS 1862:2003 (Ed. 1.1)	*Packaged water other than natural mineral water. Consolidated edition incorporating amendment No. 1.* Amended to align this standard with the requirements in the Foodstuffs, Cosmetics and Disinfectants Act, 1972 (Act 54 of 1972), to delete reference to SANS 7937/ISO 7937 (SABS ISO 7937), to add SANS 6461-1/ISO 6461-1 and SANS 6461-2/ISO 6461-2 as normative references, and to delete references to Codex standards.
SANS 3574:2003/ ISO 3574:1999 (SABS ISO 3574:1986)	*Cold-reduced carbon steel sheet of commercial and drawing qualities.* Applies to cold-reduced carbon steel sheet of commercial and drawing qualities. Is suitable for applications where surface is of prime importance.
SANS 5221:2001 (Ed. 4.1)	*Microbiological analysis of water – General test methods. Corrigendum No. 1.* Has been corrected to modify the calculation in example B under 7.4.4.
SANS 5254:2003 (SABS SM 254:1964)	*Determination of the presence of alkalinity in surgical dressings.* Specifies a method for determining the presence of alkalinity in surgical dressings.
SANS 5255:2003 (SABS SM 255:1964)	*Determination of the presence of acidity in surgical dressings.* Specifies a method for determining the presence of acidity in surgical dressings.
SANS 5576:2003 (SABS SM 576:1978)	*Pesticides – Biological evaluation of the efficacy of insecticidal water-based and oil-based space sprays in low pressurized dispensers.* Describes a procedure for determining, by biological evaluation, the efficacy of insecticidal water-based and oil-based space sprays in low pressurized dispensers.
SANS 7743:2003/ ISO 7743:1989	*Rubber, vulcanized or thermoplastic – Determination of compression stress-strain properties. ISO technical corrigendum No. 1.* Amended to replace the formulae for expression of results.
SANS 8662-5:2003 (ISO 8662-5:1992)	*Hand-held portable power tools – Measurement of vibrations at the handle – Part 5: Pavement breakers and hammers for construction work. ISO amendment No. 1.* Amended to change the requirements for the validity test.
SANS 8662-11:2003 (ISO 8662-11:1999)	*Hand-held portable power tools – Measurement of vibrations at the handle – Part 11: Fastener driving tools. ISO amendment No. 1.* Amended to change the titles of EN 792-13 and EN 12549, to replace figure 1 (Glueing of a transducer) with a new figure, to change the general working procedure and to include a unit for integration time.
SANS 8662-13:2003 (ISO 8662-13:1997)	*Hand-held portable power tools – Measurement of vibrations at the handle – Part 13: Die grinders. ISO technical corrigendum No. 1.* Corrected to delete the paragraph on hand-held power tools in the subclause entitled "Operation of the die grinder".
SANS 10117:2003 (SABS 0115:1974 SABS 0116:1974 SABS 0117:1974)	*Calculation and prediction of aircraft noise around airports for land use purposes.* Covers the calculation and prediction of aircraft noise around airports for land use purposes. The methods are applicable to conventional turbo-engined propeller-driven aircraft and to jet-propelled aircraft, that require a runway for take-off and landing.
SANS 10262-1:2003 (SABS 0262-1:1994)	*Radio sites – Part 1: Technical performance (narrowband analog mobile radio services).* Covers the minimum characteristics considered necessary to optimize the use of the radio frequency spectrum allocated to narrowband analog mobile radio services. Does not necessarily include all the characteristics required by the user, nor does it represent the optimum achievable performance.
SANS 14020:2003/ ISO 14020:2000 (SABS ISO 14020:1998)	*Environmental labels and declarations – General principles.* Establishes guiding principles for the development and use of environment labels and declarations.

Standard No. and year	Title, scope and purport
SANS 17799-2:2003 (SABS 7799-2:1999)	*Information security management systems – Part 2: Specification with guidance for use.* Specifies the requirements for establishing, implementing, operating, monitoring, reviewing, maintaining and improving a documented ISMS within the context of the organization's overall business risks. It specifies requirements for the implementation of security controls customized to the needs of individual organizations or parts thereof.
SANS 20001/ECE R1 (SABS ECE R1:1992)	*Uniform provisions concerning the approval of motor vehicle headlamps emitting an asymmetrical passing beam and/or a driving beam and equipped with filament lamps of categories R_2 and/or HS1. ECE amendment No. 5.* Amended to add new requirements for transitional provisions.
SANS 20020/ECE R2 (SABS ECE R20:1992)	*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 (H_4 lamps). ECE amendment No. 4.* Amended to add new requirements for transitional provisions.
SANS 20043/ECE R43 (SABS ECE R43:1988)	*Uniform provisions concerning the approval of safety glazing materials. ECE amendment No. 1.* Amended to change the title to read "Uniform provisions concerning the approval of safety glazing materials"; to change a number of definitions, marking requirements, requirements for tests and the requirements given in annex 1; to add new annexes on rigid plastic glazing other than windscreens, flexible plastic glazing other than windscreens, and rigid plastic double glazed units; and to renumber the existing annexes 14, 15, 16 and 17. *ECE amendment No. 2.* Amended to replace footnote 1 to 5.4.1, which gives the distinguishing numbers of countries that have granted approval. Also amended to change certain requirements in the annexes on general test conditions, toughened-glass windscreens, uniformly toughened glass panes, rigid plastic glazings other than windscreens, flexible plastic glazings other than windscreens, rigid plastic double glazed units, and checks on conformity of production. *ECE amendment No. 3.* Amended to add definitions, to change footnote 1 to 5.4.1, which gives the distinguishing numbers of countries that have granted approval, and to add new requirements for the ball-impact test (annex 3) and the light transmission test (annex 18).
SANS 20056/ECE R56 (SABS ECE R56:1989)	*Uniform provisions concerning the approval of headlamps for mopeds and vehicles treated as such. ECE amendment No. 2.* Amended to add new requirements for transitional provisions.
SANS 20072/ECE R72 (SABS ECE R72:1988)	*Uniform provisions concerning the approval of motor cycle headlamps emitting an asymmetrical passing beam and a driving beam and equipped with halogen filament lamps (HS_1). ECE amendment No. 3.* Amended to add new requirements for transitional provisions.
SANS 20076/ECE R76 (SABS ECE R76:1988)	*Uniform provisions concerning the approval of headlamps for mopeds emitting a driving beam and a passing beam. ECE amendment No. 1.* Amended to replace footnote 5 to 5.4.1.1, which gives the distinguishing numbers of countries that have granted approval, and to add new requirements for transitional provisions.
SANS 20082/ECE R82 (SABS ECE R82:1989)	*Uniform provisions concerning the approval of moped headlamps equipped with filament halogen lamps (HS_2 lamps). ECE amendment No. 1.* Amended to replace footnote 4 to 5.4.1, which gives the distinguishing numbers of countries that have granted approval, and to add new requirements for transitional provisions.
SANS 60034-8:2003/ IEC 60034-8:2002 (SABS IEC 34-8:1972)	*Rotating electrical machines – Part 8: Terminal markings and direction of rotation.* Applies to a.c. and d.c. machines and specifies rules for the identification of winding connection points, marking of winding terminals, direction of rotations, relationship between terminal markings and direction of rotations, terminal marking of auxiliary devices and connection diagrams of machines for common applications.
SANS 60064:2003/ IEC 60064:1993	*Tungsten filament lamps for domestic and similar general lighting purposes – Performance requirements. IEC amendment No. 1.* Amended to replace the list of lamp data sheets with a new list, and to replace data sheets with new data sheets. *IEC amendment No. 2.* Amended to add new lamp data sheets for E26/24, B22 and E27 incandescent lamps.
SANS 60269-2/ IEC 60269-2 (SABS IEC 60269-2:1986)	*Low-voltage fuses – Part 2: Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application). IEC amendment No. 2.* Amended to add the cross-sectional area and rated current of copper conductors for the test of fuse-links.
SANS 60335-2-25:2003/ IEC 60335-2-25:2002 (SABS IEC 60335-2-25:1999)	*Household and similar electrical appliances – Safety – Part 2-25: Particular requirements for microwave ovens, including combination microwave ovens.* Deals with the safety of microwave ovens for household use, their rated voltage being not more than 250 V. Deals with the common hazards presented by appliances which are encountered by all persons in and around the home.
SANS 60335-2-65/ IEC 60335-2-65 (SABS IEC 60335-2-65:1993)	*Safety of household and similar electrical appliances – Part 2-65: Particular requirements for air-cleaning appliances. National amendment No. 1.* Amended to change the standard to a mark specification (safety mark).
SANS 60793-1-1:2003/ IEC 60793-1-1:2002 (SABS IEC 60793-1-1:1995)	*Optical fibres – Part 1-1: Measurement methods and test procedures – General and guidance.* Lists and gives an overview of the documents giving the uniform requirements for measuring and testing optical fibres, thereby assisting in the inspection of fibres and cables for commercial (mostly telecommunications) purposes.
SANS 61029-2-3/ IEC 61029-2-3 (SABS IEC 61029-2-3:1993)	*Safety of transportable motor-operated electric tools – Part 2-3: Particular requirements for planers and thicknessers. IEC amendment No. 1.* Amended to add requirements for construction.

SCHEDULE 3: CONSOLIDATED OF EXISTING STANDARDS AND AMENDMENTS

The standards and amendments mentioned were issued and announced previously in terms of section 16(3) of the Act, but the amendments have now been incorporated and the standards re-issued as consolidated editions. No new technical information has been added and the consolidated editions do not cancel and replace the previous editions and their amendments.

The number of the consolidated edition appears in brackets below the number of the standard.

Standard No. and year	Title
SANS 1047:1985 (Ed. 2.1)	*Motor vehicle safety: Interior fittings (passenger cars). Consolidated edition incorporating amendment No. 1.*
SANS 10140-4:2003 (Ed. 1.1)	*Identification colour marking – Part 4: Contents of taps and valves in laboratories. Consolidated edition incorporating amendment No. 1.*
SANS 60947-3:2003/ IEC 60947-3:2001 (Ed. 2.1)	*Low-voltage switchgear and controlgear – Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units. Consolidated edition incorporating IEC amendment No. 1, IEC corrigendum and IEC corrigendum No. 1.*

SCHEDULE 4: CANCELLATION OF STANDARDS

In terms of section 16(3) of the Act the following standards have been cancelled.

Standard No. and year	Title
SANS 56:2001	*Incandescent lamps*
SANS 152:1977	*Low-voltage air-break switches, air-break disconnectors, air-break switch-disconnectors, and fuse-combination units*

SCHEDULE 5: 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 President, 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, Bloemfontein, 9320.