

**DEPARTMENT OF TRADE AND INDUSTRY  
DEPARTEMENT VAN HANDEL EN NYWERHEID**

No. 1194

15 October 2004

**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 279:2004/ ISO 1518:1992	<i>Paints and varnishes – Scratch test.</i> Specifies a method for determining under defined conditions, the resistance of a single coating or a multi-coat system of paint, varnish or related product to penetration by scratching with a hemispherically tipped needle. Penetration of the needle is to the substrate, except in the case of a multi-coat system, where penetration of the needle may be either to the substrate or to an intermediate coat.
SANS 332:2004/ ETSI TBR 38:1998	<i>Public Switched Telephone Network (PSTN); Attachment requirements for a terminal equipment incorporating an analogue handset function capable of supporting the justified case service when connected to the analogue interface of the PSTN in Europe.</i> Specifies the technical characteristics (electrical and acoustic requirements) to be provided by a single, handset telephony terminal equipment which is intended for pan-European approval; and for connection by 2 wires to an analogue interface of a PSTN. This interface is characterized by a d.c. loop to indicate seizure and clearing, low frequency a.c. ringing signals below the speech passband to indicate an incoming call and the transmission phase having an approximate bandwidth of 3 kHz at the network terminating point; and for supporting the voice telephony justified case service. This standard only applies to terminal equipment supporting handset telephony. It specifies the functions necessary to provide 2-way real-time speech conversation.
SANS 336:2004/ ETSI TBR 21:1998	<i>Terminal equipment (TE); Attachment requirements for pan-European approval for connection to the analogue Public Switched Telephone Networks (PSTNs) of TE (excluding TE supporting the voice telephony service) in which network addressing, if provided, is by means of Dual Tone Multi Frequency (DTMF) signaling.</i> Specifies the technical characteristics (electrical and mechanical interface requirements and access control protocol) to be provided by a single Terminal Equipment (TE) which is intended for pan-European approval; and capable of 2-wire access to an analogue Public Switched Telephone Network (PSTN) line at the Network Termination Point (NTP); but excluding TE which is capable of supporting the voice telephony justified case service. Covers TE which is capable of originating a circuit-switched call using Dual Tone Multi Frequency (DTMF) signalling or receiving an incoming circuit-switched call (or both). The connection arrangements (plug or socket, of the supplier's choice) to be provided by the TE, are also specified.
SANS 6887-2:2004/ ISO 6887-2:2003	<i>Microbiology of food and animal feeding stuffs – Preparation of test samples, initial suspension and decimal dilutions for microbiological examination – Part 2: Specific rules for the preparation of meat and meat products.</i> Defines general rules for the aerobic preparation of the initial suspension and of decimal dilutions for microbiological examinations of meat and meat products intended for human or animal consumption.
SANS 6887-3:2004/ ISO 6887-3:2003	<i>Microbiology of food and animal feeding stuffs – Preparation of test samples, initial suspension and decimal dilutions for microbiological examination – Part 3: Specific rules for the preparation of fish and fishery products.</i> Defines general rules for the aerobic preparation of the initial suspension and of decimal dilutions for microbiological examinations of fish and fishery products intended for human or animal consumption.
SANS 6887-4:2004/ ISO 6887-4:2003	<i>Microbiology of food and animal feeding stuffs – Preparation of test samples, initial suspension and decimal dilutions for microbiological examination – Part 4: Specific rules for the preparation of products other than milk and milk products, meat and meat products, and fish and fishery products.</i> Defines general rules for the aerobic preparation of the initial suspension and of decimal dilutions for microbiological examinations of products intended for human or animal consumption.
SANS 7675:2004/ ISO 7675:2003	<i>Plastics piping systems for soil and waste discharge (low and high temperature) inside buildings – Chlorinated poly(vinyl chloride) (PVC-C).</i> Specifies the requirements for chlorinated poly(vinyl chloride) (PVC-C) pipes and fittings for soil and waste discharge (low and high temperature) inside buildings, as well as the system itself. It does not include buried pipework.
SANS 10391:2004	<i>The welfare of wild animals transported by sea.</i> Specifies requirements to ensure the welfare of wild animals transported by sea.
SANS 11564:2004/ EN 1564:1997	<i>Founding – Austempered ductile cast irons.</i> Defines the grades and corresponding properties of austempered ductile cast irons. Specifies a classification based on mechanical properties measured on machine test pieces.

Standard No. and year	Title, scope and purport
SANS 15000-1:2004	<i>Service management – Part 1: Specification for service management.</i> Defines the requirements for an organization to deliver managed services of an acceptable quality for its customers. It may be used by businesses that are going out to tender for their services; by businesses that require a consistent approach by all service providers in a supply chain; by service providers to benchmark their IT service management; as the basis for an assessment which may lead to a formal certification; by an organization who needs to demonstrate the ability to provide services that meet customer requirements; and by an organization which aims to improve service through the effective application of processes to monitor and improve service quality. It specifies a number of closely related service management processes. The relationships between the processes depend on the application within an organization. The list of objectives and controls contained in this standard are not exhaustive, and an organization may consider that additional objectives and controls are necessary to meet their particular business needs.
SANS 15000-2:2004	<i>IT service management – Part 2: Code of practice for service management.</i> Represents an industry consensus on quality standards for IT service management processes. These processes deliver the best possible service to meet an organization's business needs within agreed resource levels. The variety of terms used for the same process, and between processes and functional groups (and job titles) can make the subject of service management confusing to the new manager. Failure to understand the terminology can be a barrier to establishing effective processes. SANS 15000-2 recommends that service providers should adopt common terminology, and a more consistent approach to service management. It gives a common basis for improvements in services. It also provides a framework for use by suppliers of service management tools. Furthermore, it provides guidance to auditors and offers assistance to organizations planning service improvements, or those preparing to be audited against SANS 15000-1.
SANS 20049:2004/ ECE R49:2000	<i>Uniform provisions concerning the approval of compression ignition (C.I.) and natural gas (NG) engines as well as positive-ignition (P.I.) engines fuelled with liquefied petroleum gas (LPG) and vehicles equipped with C.I. and NG engines and P.I. engines fuelled with LPG, with regard to the emissions of pollutants by the engine.</i> Specifies requirements for emission of gaseous and particulate pollutants from motor vehicles having a design speed exceeding 25 km/h and of category M <sub>1</sub> with a GVM exceeding 3,5 tonnes, categories M <sub>2</sub> , M <sub>3</sub> and N, that are powered by C.I. engines, NG engines and P.I. engines fuelled with LPG.
SANS 50028-1:2004/ EN 10028-1:2000	<i>Flat products made of steels for pressure purposes – Part 1: General requirements.</i> Specifies the general technical delivery conditions for flat products used principally for the construction of pressure equipment.
SANS 60793-1-54:2004/ IEC 60793-1-54:2003	<i>Optical fibres – Part 1-54: Measurement methods and test procedures – Gamma irradiation.</i> This standard outlines a method for measuring the steady state response of optical fibres and optical cables exposed to gamma radiation. It can be employed to determine the level of radiation-induced attenuation produced in single-mode or multimode optical fibres, in either cabled or uncabled form, due to exposure to gamma radiation. It should be noted that this test is not a material test for the non-optical material components of a fibre optic cable – if the degradation of cable materials exposed to irradiation is to be studied, other test methods will be required.
SANS 60947-8:2004/ IEC 60947-8:2003	<i>Low-voltage switchgear and controlgear – Part 8: Control units for built-in thermal protection (PTC) for rotating electrical machines.</i> Specifies the rules for control units, which perform the switching functions in response to the thermal detectors incorporated in rotating electrical machines according to SANS 60034-11, and the industrial application. It also specifies the rules for that type of system comprising positive temperature coefficient (PTC) thermistor detector having particular characteristics, and its associated control unit.
SANS 62271-100:2004/ IEC 62271-100:2003	<i>High-voltage switchgear and controlgear – Part 100: High-voltage alternating-current circuit-breakers.</i> Is applicable to a.c. circuit-breakers designed for indoor or outdoor installation and for operation at frequencies of 50 Hz and 60 Hz on systems having voltages above 1 000 V.
SANS 300328:2004/ ETSI EN 300328:2003	<i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband Transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using spread spectrum modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&amp;TTE Directive.</i> Applies to the following transceivers, transmitters and receivers including IEEE 802.11, HomeRF™ and Bluetooth™ wireless technologies. Fixed, mobile or portable applications, e.g. stand-alone radio equipment, plug-in radio devices intended for use with or within a variety of host systems, plug-in radio devices intended for use within combined equipment, and combined equipment or a combination of a plug-in radio device and a specific type of host equipment. Intends covering the provisions under article 3.2 of the R&TTE Directive, which states that radio equipment shall be so constructed that it effectively uses the spectrum allocated to terrestrial/space radio communications and orbital resources so as to avoid harmful interference.
SANS 303035-1:2004/ ETSI EN 303035-1:2001	<i>Terrestrial Trunked Radio (TETRA); Harmonized EN for TETRA equipment covering essential requirements under article 3.2 of the R&amp;TTE Directive – Part 1: Voice plus Data (V+D).</i> Specifies the technical characteristics to be provided by Terrestrial Trunked Radio (TETRA) radio and telecommunications terminal equipment, which uses the TETRA technology for Trunked Mode Operation at the air interface to support the Voice plus Data (V+D) functionality. Applies at the TETRA Voice plus Data (V+D) Air interface of the following radio and telecommunication terminal equipment types: TETRA Base Station (BS); TETRA Mobile Station (MS); TETRA DMO Gateway (DM-GATE); TETRA TMO Repeater (TMO-REP).

**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 13:2004 (Ed. 2.2)	<i>Wax polish, solvent-based, for floors and furniture. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, to change the definition of "acceptable", and to convert appendices A and B to form part of the requirements of the specification.
SANS 15:2004 (Ed. 2.2)	<i>Wax emulsion polish for floors and furniture. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, to change the definition of "acceptable", to change the requirements for penetration, and to convert appendices A and B to form part of the requirements of the specification.
SANS 257:2004 (Ed. 2.1)	<i>Wax shoe polish. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to change the definition of "acceptable", to change the descriptive reference of the reflectometer to SANS 2813 and to delete the footnote that refers to appendix A.
SANS 657-2:2004 (Ed. 1.1)	<i>Steel tubes for non-pressure purposes – Part 2: Steel tubes for cycles. Consolidated edition incorporating amendment No. 1.</i> Amended to replace the definition of "acceptable" and to update referenced standards.
SANS 657-4:2004 (Ed. 1.1)	<i>Steel tubes for non-pressure purposes – Part 4: Steel tubes of round, oval, square and rectangular section for furniture. Consolidated edition incorporating amendment No. 1.</i> Amended to replace the definition of "acceptable", to update referenced standards, and to delete the reference to the standardization mark.
SANS 750:2004 (SANS 750:1999 (SABS 750))	<i>Interlock fabric.</i> Covers three types of interlock fabric suitable for use in the manufacture of underwear and certain types of outerwear.
SANS 780:2004 (Ed. 3.2)	<i>Distribution transformers. Consolidated edition incorporating amendment No. 2.</i> Amended to change constructional requirements for radiators, bushings and mounting brackets and to change tap ratings.
SANS 986:2004 (SANS 986:1994 (SABS 986))	<i>Precast reinforced concrete culverts.</i> Specifies the dimensional and physical requirements of precast reinforced concrete culverts as well as the tests to be conducted for compliance.
SANS 1008:2004 (SANS 1008:1999 (SABS 1008))	<i>Warp-knitted pocketing.</i> Covers general requirements and requirements for composition, structure, mass per square metre, width, piece length, dimensional stability, colour, colour fastness to washing, perspiration and rubbing, freedom from defects, and packing and marking of two types of warp-knitted pocketing made from polyamide or polyester yarns.
SANS 1038:2004 (SANS 1038:1999 (SABS 1038))	<i>Cotton eyelet fabric.</i> Covers cotton eyelet fabric suitable for use in the manufacture of underwear and certain forms of outerwear. Lays down requirements for structure, stitch length, fabric and roll mass, width, colour, colour fastness to light, washing and perspiration, dimensional change on laundering, defects, and stringing of and allowance for defects.
SANS 1125:2004 (Ed. 2.3)	<i>Room air conditioners and heat pumps. Consolidated edition incorporating amendment No. 3.</i> Amended to extend the scope of the standard to cover three-phase air conditioners and to make provision for an increase in the cooling capacity of air conditioners, to update the definition of "acceptable", to add the requirement that the total cooling and heating capacity tests be followed by the maximum and minimum operating conditions tests, and to delete the noise rating and acoustical requirements.
SANS 1239:2004 (Ed. 2.2)	<i>Plugs, socket-outlets and couplers for industrial purposes. Consolidated edition incorporating amendment No. 2.</i> Amended to add requirements for plugs, socket-outlets and couplers with pin and contact tube contacts. <b>Front-end standard. Can only be used in conjunction with SANS 60309-1 and SANS 60309-2.</b>
SANS 1309:2004 (Ed. 1.3)	<i>Printed labels for textiles. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, to change the definition of "acceptable" and to update the reference to the test method for colour fastness to chlorinated water.
SANS 1423-3:2004 (SANS 1423-3:1990 (SABS 1423-3))	<i>Performance requirements for textile fabrics of low flammability – Part 3: Upholstery fabrics.</i> Covers the flammability performance requirements of two categories of upholstery material. Specifies requirements for surface flash, smouldering cigarette, match-flame equivalent ignition source and internal smouldering for each category.
SANS 1423-4:2004 (SANS 1423-4:1990 (SABS 1423-4))	<i>Performance requirements for textile fabrics of low flammability – Part 4: Bedding fabrics, bedcovers and pillows.</i> Covers the flammability performance requirements for four classes (three washable and one dry-cleanable) of bedding fabrics, bedcovers and pillows.
SANS 1464-22:2004 (Ed. 1.2)	<i>Safety of luminaires – Part 22: Luminaires for emergency lighting. Consolidated edition incorporating amendment No. 2.</i> Amended to delete a marking requirement for replacement lamps and to update referenced standards.
SANS 1475-1:2004 (Ed. 3.1)	<i>The production of reconditioned fire-fighting equipment – Part 1: Portable and wheeled (mobile) rechargeable fire extinguishers. Consolidated edition incorporating amendment No. 1.</i> Amended to include the servicing of wheeled (mobile) fire extinguishers, to add an annex for pressure testing, to change the reference to the life span of extinguishing mediums and to change the intervals for pressure testing of CO <sub>2</sub> extinguishers.
SANS 1545-1:2004 (SANS 1545-1:1999 (SABS 1545-1))	<i>Safety rules for the construction and installation of lifts – Part 1: Electric lifts.</i> Specifies safety rules for the construction and installation of electric lifts, and inspection documentation. <b>Front-end standard. Can only be read in conjunction with SANS 50081-1.</b>

Standard No. and year	Title, scope and purport
SANS 1599-5:2004 (Ed. 1.1)	<i>Cranes – Part 5: Lorry loaders. Consolidated edition incorporating amendment No. 1.</i> Amended to update the list of the SANS 1599 series in the foreword and referenced standards.
SANS 1601:2004 (Ed. 1.3)	<i>Structured wall pipes and fittings of unplasticized poly(vinyl chloride) (PVC-U) for buried drainage and sewerage systems. Consolidated edition incorporating amendment No. 3.</i> Amended to change the conditioning temperature of test specimens for impact tests and to include the normative reference SANS 50681-1.
SANS 1652:2004 (Ed. 1.4)	<i>Battery chargers – Industrial type. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards, and to change the definition of "acceptable".
SANS 1700-2-17:1996/ ISO 2904:1977	<i>Fasteners – Part 2: Screw threads – Section 17: ISO metric trapezoidal screw threads – Basic dimensions. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 1700-3-12:1996/ ISO 7721-2:1990	<i>Fasteners – Part 3: Forms, dimensions and designations – Section 12: Countersunk flat head screws – Penetration depth of cross recesses. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 1783-1:2004 (Ed. 1.2)	<i>Sawn softwood timber – Part 1: General requirements. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards, to change the definition for "acceptable", to clarify the footnotes on sampling in table B.1, to correct the reference to the method of determining moisture content in the density test (C.8.1), to change references to the certification mark scheme, and to delete reference to the South African Bureau of Standards (SABS) as the only approval authority.
SANS 1783-2:2004 (Ed. 1.4)	<i>Sawn softwood timber – Part 2: Stress-graded structural timber and timber for frame wall construction. Consolidated edition incorporating amendment No. 4.</i> Amended to update referenced standards, to include a definition for "approved" and to renumber the existing definitions accordingly, to change the marking requirements, to change references to the certification mark scheme, and to delete reference to the South African Bureau of Standards (SABS) as the only approval authority.
SANS 1783-3:2004 (Ed. 1.1)	<i>Sawn softwood timber – Part 3: Industrial timber. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards, to change the requirements for permissible appearance grade dimensions of knots and knot holes (table 2) and for permissible defects for utility grade and packaging grade (table 3) from "<" to " ", and to change the reference to the certification mark scheme.
SANS 1783-4:2004 (Ed. 1.2)	<i>Sawn softwood timber – Part 4: Brandering and battens. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards, to change and clarify the tolerance requirement on dimensions, to add a definition for "approved" and to renumber the existing definitions accordingly, to include marking requirements for finger-jointed brandering and battens, to change references to the certification mark scheme, and to delete reference to the South African Bureau of Standards (SABS) as the only approval authority.
SANS 1804-2:2004 (Ed. 1.2)	<i>Induction motors – Part 2: Low-voltage three-phase standard motors. Consolidated edition incorporating amendment No. 2.</i> Amended to change the units for tolerance given in column 5 of table 3, and to update referenced standards.
SANS 5315:2004 (SABS 5315:1973 (SABS SM 315))	<i>Colour-bleeding (in water) of textile shoe laces.</i> Specifies a method for the determination of colour-bleeding (in water) of textile shoe laces.
SANS 5450:2004 (SANS 5450:1973 (SABS SM 450))	<i>Colour fastness of buttons to washing.</i> Specifies a method for the determination of the colour fastness of buttons to washing.
SANS 5451:2004 (SANS 5451:1973 SABS SM 451))	<i>Colour fastness of buttons to dry cleaning.</i> Specifies a method for the determination of the colour fastness of buttons to dry cleaning.
SANS 5984:2004 (Ed. 2.1)	<i>Moisture content of timber and timber products (oven dry method). Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 5997:2004 (Ed. 1.1)	<i>Zinc detection in timber. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 6000:2004 (Ed. 1.1)	<i>Heartwood detection in timber of the Eucalyptus species. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 6001:2004 (SANS 6001:1979 (SABS SM 1001))	<i>Colour fastness of textile curtaining to water-wicking.</i> Specifies a method for the determination of the colour fastness of textile curtaining to water-wicking.
SANS 6002:2004 (SANS 6002:1979 (SABS SM 1002))	<i>Colour fastness of textile floor coverings to shampooing.</i> Specifies a method for the determination of the colour fastness of textile floor coverings, yarn, loose fibre or tufts extracted from textile floor coverings to shampooing.
SANS 6083:2004 (Ed. 1.1)	<i>Modulus of elasticity and modulus of rupture in static bending of solid timber and glued laminated timber in structural sizes. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 6123:2004 (Ed. 2.1)	<i>Wooden doors – Determination of stiffness. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 6125:2004 (Ed. 1.1)	<i>Resistance of wooden doors to hard body impact. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes.

Standard No. and year	Title, scope and purport
SANS 6126:2004 (Ed. 1.1)	<i>Resistance of wooden doors to soft body impact. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 6128:2004 (Ed. 1.1)	<i>Resistance of wooden doors to slamming. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 6129:2004 (Ed. 2.1)	<i>Wooden doors – Class 2 – Determination of resistance to weathering. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 6181:2004 (Ed. 1.1)	<i>Coated fibreboard – Determination of resistance to steam. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 6941:2004/ ISO 6941:2003 (SANS 6941:1984 (SABS ISO 6941))	<i>Textile fabrics – Burning behaviour – Measurement of flame spread properties of vertically oriented specimens.</i> Specifies a method for the measurement of flame spread properties of vertically oriented textile fabrics intended for apparel, curtains and draperies in the form of single-component or multi-component (coated, quilted, multilayered, sandwich construction and similar combinations) fabrics. This method should be used solely to assess the properties of materials or systems in response to heat flame under controlled laboratory conditions. Results might not apply to situations where there is restricted air supply or prolonged exposure to heat, as in a conflagration.
SANS 8499:2004/ ISO 8499:2003 (SANS 8499:1990 (SABS ISO 8499))	<i>Knitted fabrics – Description of defects – Vocabulary.</i> Describes defects which commonly appear during the inspection of knitted piece-goods.
SANS 10012:2004 (SANS 10012:1997 (SABS 012))	<i>The use of light metals in hazardous locations at mines.</i> Makes recommendations regarding the use of light metals in hazardous locations at mines, and gives a short description of the hazards or risks associated with such metals.
SANS 10170:2004 (Ed. 1.2)	<i>The cleaning and maintenance of floors. 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 10198-6:2004 (SANS 10198-6:1988 SABS 0198-6))	<i>The selection, handling and installation of electric power cables of rating not exceeding 33 kV – Part 6: Transportation and storage.</i> Deals with the practical aspects of handling cables. It reviews procedures of transportation by road, rail and sea as well as storage of electric power cables in drums or as coils.
SANS 10254:2004 (SANS 10254:2000 (SABS 0254))	<i>The installation, maintenance, replacement and repair of fixed electric storage water heating systems.</i> Covers the safe installation of new and replacement fixed electric water heaters complete with all the relevant and applicable safety and hydraulic control units. It also covers the maintenance of storage water heating systems.
SANS 11801:2004/ ISO/IEC 11801:2002 (SANS 11801:1995 (SABS ISO/IEC 11801))	<i>Information technology – Generic cabling for customer premises.</i> Specifies a generic cabling for use within premises, which may comprise single or multiple buildings on a campus. It covers balanced cabling and optical fibre cabling, and is optimised for premises in which the maximum distance over which telecommunication services can be distributed is 2 000 m. Safety and EMC fall outside the scope of this standard. <i>ISO/IEC technical corrigendum No. 1.</i> Corrected to add a new abbreviation, and a new note referring to the relationship and requirements of classes and categories in earlier editions of this standard, and to delete three references in the Bibliography. <i>ISO/IEC technical corrigendum No. 2.</i> Corrected to change a reference to an incorrectly numbered clause.
SANS 20049:2004/ ECE R49:2000	<i>Uniform provisions concerning the approval of compression ignition (C.I.) and natural gas (NG) engines as well as positive-ignition (P.I.) engines fuelled with liquefied petroleum gas (LPG) and vehicles equipped with C.I. and NG engines and P.I. engines fuelled with LPG, with regard to the emissions of pollutants by the engine. ECE amendment No. 1.</i> Amended to change certain definitions, symbols and abbreviations; include provisions for application for approval for vehicle type with approved engines; change the provisions for approval; specify the types of tests for determination and the limits of emissions; include engine family; change the general requirements for emissions; change the provisions for conformity of production and include a procedure for conformity testing; update the transitional provisions; update the information required from manufacturers for characteristics of engines and those concerning testing; update the annex for arrangement of approval marks; change relevant characteristics of reference fuel for C.I. engines and NG engines; include characteristics of reference LPG; include examples of the calculation procedures; and make necessary corrections and renumber relevant paragraphs. <i>ECE amendment No. 2.</i> Amended to update definitions and symbols for chemical components; change certain provisions for universal fuel approval; include requirements for emission control equipment; add the ranges of shift factors to the requirements for commercial fuels used in tests of NG engines, for the purpose of conformity of production; require tests to be done by using the reference fuel in the case of dispute; change transitional provisions; cover the engines fuelled with ethanol; require communication papers to give more information on the emission level; update the requirements for arrangement of approval marks; update the measurement principle of test procedures by adding gas engine at stage C to particulates emissions; remove the restriction to sampling in the ETC cycle; update the provisions for systems with constant mass flow, the systems with flow compensation and calculation of specific emissions; add another type of fuel to the list of fuels to be used for calibration purposes; include detailed characteristics of ethanol for diesel engines to the annex of technical characteristics of reference fuel for C.I. engines; change technical characteristics of reference NG fuel and that of LPG; update examples of calculation; and add a new annex for specific technical requirements relating to ethanol-fuelled diesel engines.
SANS 60335-2-2:2004/ IEC 60335-2-2:2002 (SANS 60335-2-2:1993 (SABS IEC 60335-2-2))	<i>Household and similar electrical appliances – Safety – Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances.</i> Deals with the safety of electric vacuum cleaners and water suction cleaning appliances for household and similar purposes, including vacuum cleaners for animal grooming, their rated voltage being not more than 250 V. It also applies to centrally-sited vacuum cleaners and motorized cleaning heads.

Standard No. and year	Title, scope and purport
SANS 60335-2-79:2004/ IEC 60335-2-79:2002 (SANS 60335-2-79:1995 (SABS IEC 60335-2-79))	<i>Household and similar electrical appliances – Safety – Part 2-79: Particular requirements for high-pressure cleaners and steam cleaners.</i> Deals with the safety of high pressure cleaners for household, industrial and commercial use having a pressure not less than 2,5 MPa and not more than 25 MPa and with an input to the drive for the high pressure pump not exceeding 10 kW. It also applies to steam cleaners even if the pressure is less than 2,5 MPa, and to appliances making use of other forms of energy for the motor.
SANS 60851-1:1996/ IEC 60851-1:1996	<i>Winding wires – Test methods – Part 1: General. IEC amendment No. 1.</i> Amended to add 60000 to the IEC numbers throughout the text, to modify the introduction and some text and titles of the informative annex for content of tests indications.
SANS 60851-3:2004/ IEC 60851-3:1997 (Ed. 1.1)	<i>Winding wires – Test methods – Part 3: Mechanical properties. Consolidated edition incorporating IEC amendment No. 1.</i> Amended to add new informative annex. <i>IEC amendment No. 2.</i> Amended to modify the adherence test for tape wrapped round and rectangular wire, to delete reference to solvent at the heat bonding test, and to replace figure 10, test equipment for bond retention of a helical coil, with a new figure.
SANS 60851-6:1996/ IEC 60851-6:1996	<i>Winding wires – Test methods – Part 6: Thermal properties. IEC amendment No. 2.</i> Amended to add 60000 to the numbers of the IEC standards throughout the text, to modify the introduction and to replace the magnification range in table 1 and to replace text for the equipment requirement.
SANS 60947-4-1:2004/ IEC 60947-4-1:2002 (Ed. 2.1)	<i>Low-voltage switchgear and controlgear – Part 4-1: Contactors and motor-starters – Electromechanical contactors and motor-starters. Consolidated edition incorporating IEC amendment No. 1.</i> Amended to update normative references, to add a definition, marking requirements, new annexes E and F and a Bibliography, to change the requirements for control circuits and co-ordination with short-circuit protective devices, to change constructional and performance requirements and test requirements and to delete the text of annex C.
SANS 60947-4-2:2004/ IEC 60947-4-2:2002 (Ed. 2.1)	<i>Low-voltage switchgear and controlgear – Part 4-2: Contactors and motor-starters – AC semiconductor motor controllers and starters. Consolidated edition incorporating IEC amendment No. 1.</i> Amended to add normative references; add a definition for bypassed controller; add new requirements for bypassed controllers and for utilization categories; add annex I on modified test circuit for short-circuit testing of semiconductor motor controllers and starters; add annex J on a flowchart for constructing bypassed semiconductor controllers tests; change the requirements for squirrel cage and hermetic refrigeration motors; add requirements for clearances and creepage distances; change the requirements for EMC immunity tests and for winding of coils and electromagnets; and to add and change performance requirements and general test conditions. <i>IEC corrigendum No. 1.</i> Changed to correct referenced clause numbers.
SANS 62040-1-1:2003/ IEC 62040-1-1:2002	<i>Uninterruptible power systems (UPS) – Part 1-1: General and safety requirements for UPS used in operator access areas. IEC corrigendum No. 2.</i> Corrected to change reference to a standard in the scope, to add normative references, to change a note for safety instructions, protection in building installations and multiple power sources, to delete a reference to a clause in connection to telecommunication networks, to add reference to a standard and to add a clause in a test method in annex M.
SANS 62271-100:2004/ IEC 62271-100:2003 (Ed. 1.1)	<i>High-voltage switchgear and controlgear – Part 100: High-voltage alternating-current circuit-breakers. Consolidated edition incorporating IEC amendment No. 1. and IEC corrigenda Nos. 1 and 2 to IEC amendment No. 1. IEC amendment No. 1.</i> Amended to change the requirements for the representation of transient recovery voltage (TRV), the basic short-circuit test duties and to add a reference standard. <i>IEC corrigendum No. 1 to IEC amendment No. 1.</i> Changed to correct the date of the validity of the document. <i>IEC corrigendum No. 2 to IEC amendment No. 1.</i> Corrected to change the parameters for the representation of transient recovery voltage and prospective transient recovery voltage, change the requirements for transient recovery voltage, and to replace "isolated earth" with "non-solidly earthed", "table 13" with "table 1a" and figures 41, 42, and 43 with the new figures.

### 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 46:1973	<i>Screwing taps (ISO metric threads)</i>
SANS 386:1952	<i>Dubbin</i>
SANS 646:1962	<i>Precision bolts, screws, and nuts</i>
SANS 797:1971	<i>Spring washers</i>
SANS 1078:1984	<i>Audible warning devices (hooters) for motor vehicles</i>
SANS 1700-8-1:1996	<i>Fasteners – Part 8: Square neck bolts – Section 1: Cup head square neck bolts with large head – Product grade C</i>
SANS 1700-14-7:1996	<i>Fasteners – Part 14: Hexagon nuts – Section 7: Hexagon nuts for fine mechanics – Product grade F</i>
SANS 5998:1980	<i>Pentachlorophenol detection in timber</i>
SANS 10097:1975	<i>The measurement of noise emitted by motor vehicles</i>
SANS 60896-1:1987	<i>Stationary lead-acid batteries. General requirements and methods of test – Part 1: Vented types</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 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.
-