

DEPARTMENT OF TRADE AND INDUSTRY

No. 1315

12 November 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 105-X16:2004/ ISO 105-X16:2001	<i>Textiles – Tests for colour fastness – Part X16: Colour fastness to rubbing – Small areas.</i> Specifies a method for determining the resistance of the colour of textiles to rubbing off and staining other materials where the singling out of areas, smaller than is possible to test with the apparatus described in SANS 105-X12/ISO 105-X12 (SABS ISO 105-X12), is required.
SANS 271:2004/ ISO 6224:1995	<i>Plastics hoses, textile-reinforced, for general-purpose water applications – Specification.</i> Specifies the requirements for three types of non-collapsible, textile-reinforced thermoplastic discharge water hose up to a maximum working pressure of 2,5 MPa at 23 °C for application in a range of temperatures from -10 °C up to +60 °C.
SANS 272:2004/ ISO 1403:1995	<i>Rubber hoses, textile-reinforced, for general-purpose water applications – Specification.</i> Specifies the requirements for three types of general-purpose textile-reinforced rubber water hose with an operating range of -25 °C to +70 °C, and a maximum working pressure of up to 2,5 MPa.
SANS 325:2004/ ISO/TR 10017:2003	<i>Guidance on statistical techniques for SANS 9001:2000.</i> Provides guidance on the selection of appropriate statistical techniques that may be useful to an organization in developing, implementing, maintaining and improving a quality management system in compliance with SANS 9001; done by examining those requirements of SANS 9001 that involve the use of quantitative data, and then identifying and describing the statistical techniques that can be useful when applied to such data.
SANS 326:2004/ ISO/IEC 20060:2001	<i>Information technology – Open Terminal Architecture (OTA) specification – Virtual machine specification.</i> Contains the Implementation Specification of Europay's Open Terminal Architecture. Other volumes in this series specify the Forth and C language programming interfaces, as well as the EMV application library and the Terminal Kernel Test Program. Also describes a set of functions to be implemented in terminals in terms of instructions for a Virtual Machine.
SANS 413-1:2004/ EN 413-1:2004	<i>Masonry cement – Part 1: Composition, specifications and conformity criteria.</i> Gives the definition and covers the composition of masonry cements used for the production of mortar for bricklaying, and for plaster. It gives physical, mechanical, chemical and durability requirements and defines strength classes. It also states the conformity criteria and the related rules.
SANS 2859-1:2004/ ISO 2859-1:1999	<i>Sampling procedures for inspection by attributes – Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection.</i> Specifies an acceptance sampling system for inspection by attributes. Is indexed in terms of the acceptance quality limit (AQL). Its purpose is to induce a supplier through the economic and psychological pressure of lot non-acceptance to maintain a process average at least as good as the specified acceptance quality limit, while at the same time providing an upper limit for the risk to the consumer of accepting the occasional poor lot.
SANS 3253:2004/ ISO 3253:1998	<i>Gas welding equipment – Hose connections for equipment for welding, cutting and allied processes.</i> Lays down the dimensions and specifies the characteristics of the constituent parts of hose connections for equipment for welding, cutting and allied processes.
SANS 3534-1:2004/ ISO 3534-1:1993	<i>Statistics – Vocabulary and symbols – Part 1: Probability and general statistical terms.</i> Defines 204 probability and general statistical terms which may be used in the drafting of other national standards. The terms are classified under the following main headings: terms used in theory of probability, general statistical terms, general terms relating to observations and test results, and general terms relating to methods of sampling. The terms are arranged analytically and an alphabetical index is provided. Also gives a list of symbols and abbreviations used.
SANS 3534-2:2004/ ISO 3534-2:1993	<i>Statistics – Vocabulary and symbols – Part 2: Statistical quality control.</i> Defines 180 statistical quality control terms which may be used in the drafting of other national standards. The terms are classified under the following main headings: general statistical and quality control terms, sampling and acceptance sampling terms, and terms relating to process measures. The entries are arranged analytically and an alphabetical index is provided. Also gives a list of symbols and abbreviations used.
SANS 3534-3:2004/ ISO 3534-3:1999	<i>Statistics – Vocabulary and symbols – Part 3: Design of experiments.</i> Defines the terms used in the field of design of experiments and may be used in the drafting of other national standards.

Standard No. and year	Title, scope and purport
SANS 3821:2004/ ISO 3821:1998	<i>Gas welding equipment – Rubber hoses for welding, cutting and allied processes.</i> Specifies requirements for rubber hoses (including twin hoses) for welding, cutting and allied processes. The term "allied processes" means, in particular, heating, brazing and metallization.
SANS 3951:2004/ ISO 3951:1989	<i>Sampling procedures and charts for inspection by variables for percent nonconforming.</i> Is complementary to ISO 2859. The object of the method laid down is to ensure that lots of an acceptable quality have a high probability of acceptance and that the probability of rejection of inferior lots is as high as possible. To be used where the inspection procedure is to be applied to a continuous series of lots of discrete products supplied by one producer using one production process, where only a single quality characteristic is considered which must be measurable on a continuous scale, where production is stable and quality characteristic is distributed normally, and where a contract or standard defines an upper or lower specification limit (or both).
SANS 4635:2004/ ISO 4635:1982	<i>Rubber, vulcanized – Preformed compression seals for use between concrete motorway paving sections – Specification for material.</i> Specifies requirements for material for pre-formed vulcanized rubber seals used between concrete motorway paving sections.
SANS 6993:2004/ ISO 6993:2001	<i>Buried, high-impact poly(vinyl chloride) (PVC-HI) pipes for the supply of gaseous fuels – Specifications.</i> Specifies the requirements for pipes made of high-impact poly(vinyl chloride) (PVC-HI) intended to be used for the supply of gaseous fuels through buried pipelines with an operating temperature range of 0 °C to 30 °C and a maximum operating pressure of 1 bar.
SANS 8207:2004/ ISO 8207:1996	<i>Gas welding equipment – Specification for hose assemblies for equipment for welding, cutting and allied processes.</i> Specifies performance and test requirements of hose assemblies using rubber hose, if supplied in assembled condition for equipment for gas welding, cutting and allied processes.
SANS 9126-4:2004/ ISO/IEC TR 9126-4:2004	<i>Software engineering – Product quality – Part 4: Quality in use metrics.</i> Defines quality in use metrics for the characteristics defined in SANS 9126-1. It contains an explanation of how to apply software quality metrics, a basic set of metrics for each characteristic and an example of how to apply metrics during the software product life cycle.
SANS 12170:2004/ ISO 12170:1996	<i>Gas welding equipment – Thermoplastic hoses for welding and allied processes.</i> Specifies the requirements and relevant methods of measurement and testing of two types of thermoplastic hoses with maximum design working pressure of 1 MPa and of 2 MPa, used for flexible gas supply lines in specific fields of application.
SANS 13964:2004/ ISO 13964:1998	<i>Air quality – Determination of ozone in ambient air – Ultraviolet photometric method.</i> Specifies an ultraviolet (UV) photometric method for the determination of ozone in ambient air. It is applicable to the determination of ozone concentrations in the range 2 µg/m ³ (volume fraction of 1 x 10 ⁻⁹) to 2 mg/m ³ (volume fraction of 1 x 10 ⁻⁶) under reference conditions of 25 °C and 101,25 kPa. Ultraviolet photometry is specified as the primary reference procedure for calibration.
SANS 14113:2004/ ISO 14113:1997	<i>Gas welding equipment – Rubber and plastic hoses assembled for compressed or liquefied gases up to a maximum design pressure of 450 bar.</i> Specifies requirements for rubber and plastics hoses and hose assemblies for use with compressed or liquefied gases up to a maximum design pressure of 450 bar (45 MPa), within the ambient temperature range -20 °C to +60 °C.
SANS 14143-5:2004/ ISO/IEC TR 14143-5:2004	<i>Information technology – Software measurement – Functional size measurement – Part 5: Determination of functional domains for use with functional size measurement.</i> Describes the characteristics of functional domains and the procedures by which characteristics of functional user requirements (FUR) can be used to determine functional domains.
SANS 14443-2:2004/ ISO/IEC 14443-2:2001	<i>Identification cards – Contactless integrated circuit(s) cards – Proximity cards – Part 2: Radio frequency power and signal interface.</i> Specifies the characteristics of the fields to be provided for power and bi-directional communication between proximity coupling devices (PCDs) and proximity cards (PICCs).
SANS 14443-3:2004/ ISO/IEC 14443-3:2001	<i>Identification cards – Contactless integrated circuit(s) cards – Proximity cards – Part 3: Initialization and anticollision.</i> Specifies polling for proximity cards (PICCs) entering the field of a proximity coupling device (PCD), the byte format, the frames and timing used during the initial phase of communication between PCDs and PICCs, the initial Request and Answer to Request command content, methods to detect and communicate with one PICC among several PICCs (anticollision), other parameters required to initialize communications between a PICC and PCD, and optional means to ease and speed up the selection of one PICC among several PICCs based on application criteria.
SANS 14443-4:2004/ ISO/IEC 14443-4:2001	<i>Identification cards – Contactless integrated circuit(s) cards – Proximity cards – Part 4: Transmission protocol.</i> Describes a half-duplex block transmission protocol featuring the special needs of a contactless environment and defines the activation and deactivation sequence of the protocol. It is applicable to proximity cards of Type A and Type B.
SANS 15237:2004/ ISO 15237:2003	<i>Solid mineral fuels – Determination of total mercury content of coal.</i> Specifies a procedure for the determination of the total mercury content of coal.
SANS 15457-1:2004/ ISO/IEC 15457-1:2001	<i>Identification cards – Thin flexible cards – Part 1: Physical characteristics.</i> Describes the physical characteristics of thin flexible cards at two points in the card life cycle, namely the point of loading into the card issuing equipment and the point of issue to the public. These thin flexible cards are used to automate the controls for access to goods or services such as mass transit, highway toll systems, car parks, vouchers, stored value, etc.
SANS 15457-2:2004/ ISO/IEC 15457-2:2001	<i>Identification cards – Thin flexible cards – Part 2: Magnetic recording techniques.</i> Specifies the magnetic stripe and encoding characteristics of thin flexible cards at two points in the card life cycle, namely at the point of loading into the card issuing equipment and at the point of issue to the public.
SANS 15457-3:2004/ ISO/IEC 15457-3:2002	<i>Identification cards – Thin flexible cards – Part 3: Test methods.</i> Describes test methods for thin flexible cards, which are used to automate the controls for access to goods or services such as mass transit, highway toll systems, car parks, vouchers, stored value, etc.

Standard No. and year	Title, scope and purport
SANS 15693-1:2004/ ISO/IEC 15693-1:2000	<i>Identification cards – Contactless integrated circuit(s) cards – Vicinity cards – Part 1: Physical characteristics.</i> Defines physical characteristics of vicinity cards (VICCs). Applies to identification cards of the card type ID-1 which operates in the vicinity of a coupling device.
SANS 15693-2:2004/ ISO/IEC 15693-2:2000	<i>Identification cards – Contactless integrated circuit(s) cards – Vicinity cards – Part 2: Air interface and initialization.</i> Specifies the nature and characteristics of the fields to be provided for power and directional communications between vicinity cards (VICCs) and vicinity coupling devices (VCDs).
SANS 15693-3:2004/ ISO/IEC 15693-3:2001	<i>Identification cards – Contactless integrated circuit(s) cards – Vicinity cards – Part 3: Anticollision and transmission protocol.</i> Describes protocol and commands, methods to detect and communicate with one card among several cards (anticollision), and optional means to ease and speed up the selection of one among several cards based on application criteria.
SANS 18019:2004/ ISO/IEC 18019:2004	<i>Software and system engineering – Guidelines for the design and preparation of user documentation for application software.</i> Provides guidelines for the design and preparation of user documentation for application software. It describes how to establish what information users need, how to determine the way in which that information should be presented to the users, and how then to prepare the information and make it available. Application software includes consumer software packages, software for office applications, business software and specialist software for use by professionals. These guidelines may also be helpful for developing documentation for software engineering products and software for programmable electronic or mechanical systems. It is intended for use in all types of organizations, whether or not a dedicated documentation department is present. In all cases, it can be used as a basis for local standards and procedures.
SANS 19760:2004/ ISO/IEC TR 19760:2003	<i>Systems engineering – A guide for the application of ISO/IEC 15288 (System life cycle processes).</i> Provides guidance for the application of SANS 15288 with regard to systems and projects irrespective of size and type. It should be used as a companion document to SANS 15288 by those who apply SANS 15288 within their organization, use SANS 15288 with regard to a specific system and those who prepare organizational and domain-specific standards based on SANS 15288.
SANS 60079-1-1:2004/ IEC 60079-1-1:2002	<i>Electrical apparatus for explosive gas atmospheres – Part 1: Flameproof enclosures "d" – Method of test for ascertainment of maximum experimental safe gap.</i> Describes a test method intended for the measurement of the maximum experimental safe gaps for gas- or vapour-air mixtures under normal conditions of temperature and pressure so as to permit the selection of an appropriate group of flameproof enclosures. The method does not take into account the possible effects of obstacles on the safe gaps.
SANS 60811-3-2:1985/ IEC 60811-3-2:1985	<i>Common test methods for insulating and sheathing materials of electric cables – Part 3: Methods specific to PVC compound – Section 2: Loss of mass test – Thermal stability test.</i> Specifies the methods to be used for testing polymeric insulating and sheathing materials of electric cables for power distribution and telecommunications, including cables used on ships. Gives the methods for loss of mass test and thermal stability test, which apply to PVC compounds.
SANS 62262:2004/ IEC 62262:2002	<i>Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code).</i> Refers to the classification of the degrees of protection provided by enclosures against external mechanical impacts when the rated voltage of the protected equipment is not greater than 72,5 kV. It will only apply to enclosures of equipment where the specific standard establishes degrees of protection of the enclosure against mechanical impacts (expressed in this standard as "impacts").
SANS 90003:2004/ ISO/IEC 90003:2004	<i>Software engineering – Guidelines for the application of ISO 9001:2000 to computer software.</i> Specifies requirements for a quality management system where an organization (a) needs to demonstrate its ability to consistently provide a product that meets customer and applicable regulatory requirements, and (b) aims to enhance customer satisfaction through the effective application of the system, including processes for continual improvement of the system and the assurance of conformity to customer and applicable regulatory requirements. It provides guidance for organizations in the application of ISO 9001:2000 to the acquisition, supply, development, operation and maintenance of computer software and related support services. It does not add to or otherwise change the requirements of ISO 9001:2000. Guidelines are not intended to be used as assessment criteria in quality management system registration/certification. Requirements are generic and are intended to be applicable to all organizations regardless of type, size and product provided.

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 29:2004 (Ed. 3.1)	<i>Articles made of precious metals. Consolidated edition incorporating amendment No. 1.</i> Amended to delete the reference to the certification mark, and to change the designation of SABS standards to SANS standards.
SANS 146:2004 (Ed. 2.5)	<i>Working life-jackets for fishermen and small-boatmen: Group 2. Consolidated edition incorporating amendment No. 4.</i> Amended to replace reference to SABS SM 155 with SANS 7253, to modify the language requirement for marking and to change the designation of SABS standards to SANS standards.
SANS 777:2004 (Ed. 3.2)	<i>Overbed tables. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 966-2:2004 (Ed. 1.3)	<i>Components of pressure pipe systems – Part 2: Modified poly(vinyl chloride)(PVC-M) pressure pipe systems. Consolidated edition incorporating amendment No. 3.</i> Amended to include normative reference SANS 50681-1.
SANS 1041:2004 (Ed. 2.1)	<i>Tubular fluorescent lamps for general service. 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 1700-2-12:1996/ ISO 5864:1993	<i>Fasteners – Part 2: Screw threads – Section 12: ISO inch screw threads – Allowances and tolerances. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 1700-10-1:1996/ ISO 1207:1992	<i>Fasteners – Part 10: Slotted head screws – Section 1: Slotted cheese head screws – Product grade A. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 1700-10-3:1996/ ISO 2009:1994	<i>Fasteners – Part 10: Slotted head screws – Section 3: Slotted countersunk flat head screws (common head style) – Product grade A. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 1700-10-4:1996/ ISO 2010:1994	<i>Fasteners – Part 10: Slotted head screws – Section 4: Countersunk slotted raised head screws (common head style) – Product grade A. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 1700-11-1:1996/ ISO 7045:1994	<i>Fasteners – Part 11: Cross recessed countersunk flat head screws (common head style) – Grade A – Section 1: Pan head screws with type H or type Z cross recess – Product grade A. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 1700-11-4:1996/ ISO 7047:1994	<i>Fasteners – Part 11: Cross recessed head screws – Section 4: Countersunk raised head screws (common head style) with type H or type Z cross recess – Product grade A. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 2859-1:2004/ ISO 2859-1:1999	<i>Sampling procedures for inspection by attributes – Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection. ISO technical corrigendum No. 1.</i> Amended to correct the sample size for sample size code letter H in the table on single sampling plans for reduced inspection (auxiliary master table).
SANS 5989:2004 (Ed. 1.1)	<i>Retention of preservative in timber (weighbridge method). Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 10154-1:2004 (Ed. 1.2)	<i>Calibration of pure-tone audiometers – Part 1: Air conduction. Consolidated edition incorporating amendment No. 2.</i> Amended to replace reference to SANS 60651 with SANS 61672-1.
SANS 10154-2:2004 (Ed. 1.2)	<i>Calibration of pure-tone audiometers – Part 2: Bone conduction. Consolidated edition incorporating amendment No. 2.</i> Amended to replace reference to SANS 60651 with SANS 61672-1.
SANS 10169:2004 (Ed. 1.1)	<i>Determining the performance of audible warning devices (hooters) after installation in a motor vehicle. Consolidated edition incorporating amendment No. 1.</i> Amended to replace references to SANS 1078 with SANS 20028 and IEC Publication 651 with SANS 61672-1.
SANS 10252-1:2004	<i>Water supply and drainage for buildings – Part 1: Water supply installations for buildings. Amendment No. 1.</i> Amended to correct a normative reference.
SANS 10257:2004 (Ed. 1.2)	<i>The reconditioning of valves for use with pipelines. Consolidated edition incorporating amendment No. 2.</i> Amended to update the definitions for "acceptable", "certified technician", "coded welder", "inspection authority", "leakage rate", "original standard" and "required", to cross-reference annex A, to add a cross-referencing note to annex B, and to update the informative standards (bibliography).
SANS 15504-2:2004/ ISO/IEC 15504-2:2003 (SABS ISO/IEC TR 15504-2:1998)	<i>Information technology – Process assessment – Part 2: Performing an assessment.</i> Defines the requirements for performing process assessment as a basis for use in process improvement and capability determination. It defines the minimum set of requirements for performing an assessment that will ensure assessment results are objective, impartial, consistent, repeatable and representative of the assessed processes. Results of conformant process assessments may be compared when the scopes of the assessments are considered to be similar. The requirements for process assessment defined in this part of SANS 15504 form a structure which facilitates self-assessment; provides a basis for use in process improvement and capability determination; takes into account the context in which the assessed process is implemented; produces a process rating; addresses the ability of the process to achieve its purpose; is applicable across all application domains and sizes of organization; and may provide an objective benchmark between organizations. <i>ISO/IEC technical corrigendum No. 1.</i> Corrected to change the title.
SANS 15693-2:2004/ ISO/IEC 15693-2:2000	<i>Identification cards – Contactless integrated circuit(s) cards – Vicinity cards – Part 2: Air interface and initialization. ISO/IEC technical corrigendum No. 1.</i> Amended to correct the first part of the start of frame (SOF) identifier when using two subcarriers (sub-clause 8.5.2).
SANS 50140:1998/ EN 140:1998	<i>Respiratory protective devices – Half masks and quarter masks – Requirements, testing, marking. EN corrigendum No. 1.</i> Amended to correct a dimension in the figure on filter simulator for filters/half masks or quarter masks employing a thread complying with prEN 148-1.
SANS 50145:1997/ EN 145:1997	<i>Respiratory protective devices – Self-contained closed-circuit breathing apparatus compressed oxygen or compressed oxygen-nitrogen type – Requirements, testing, marking. EN amendment No. 1.</i> Amended to include the possible activation of a warning device, to remove reference to the empty cylinder after the end of the rated working duration, and to include an annex on marking.
SANS 60079-1:2004/ IEC 60079-1:2003 (SABS IEC 60079-1:2002)	<i>Electrical apparatus for explosive gas atmospheres – Part 1: Flameproof enclosures "d".</i> Contains specific requirements for the construction and testing of electrical apparatus with the type of protection flameproof enclosure "d", intended for use in explosive gas atmospheres.

Standard No. and year	Title, scope and purport
SANS 60811-3-2:1985/ IEC 60811-3-2:1985	<i>Common test methods for insulating and sheathing materials of electric cables – Part 3-2: Methods specific to PVC compounds – Loss of mass test – Thermal stability test. IEC corrigendum No. 1. Corrected to extend reference to the corresponding clauses table in appendix A, clause A2. IEC amendment No. 1. Amended to add new text for loss of mass and thermal stability tests and to add a note under the test procedure title. IEC amendment No. 2. Amended to modify the main title of the standard and the scope, and to replace referenced requirements for the thermal stability test.</i>
SANS 60811-4-1:2004/ IEC 60811-4-1:2004 (SABS IEC 60811-4-1:1985)	<i>Insulating and sheathing materials of electric and optical cables – Common test methods – Part 4-1: Methods specific to polyethylene and polypropylene compounds – Resistance to environmental stress cracking – Measurement of the melt flow index – Carbon black and/or mineral filler content measurement in polyethylene by direct combustion – Measurement of carbon black content by thermogravimetric analysis (TGA) – Assessment of carbon black dispersion in polyethylene using a microscope. Specifies the test methods to be used for testing polymeric insulating and sheathing materials of electric and optical fibre cables for power distribution and telecommunications, including cables used on ships. Gives the methods for measurement of the resistance to environmental stress cracking, for wrapping test after thermal ageing in air, for measurement of melt flow index and for measurement of carbon black and/or mineral filler content, which apply to PE and PP compounds, including cellular compounds and foam skin for insulation.</i>
SANS 60811-4-2:2004/ IEC 60811-4-2:2004 (SABS IEC 60811-4-2:1990)	<i>Insulating and sheathing materials of electric and optical cables – Common test methods – Part 4-2: Methods specific to polyethylene and polypropylene compounds – Tensile strength and elongation at break after conditioning at elevated temperature – Wrapping test after conditioning at elevated temperature – Wrapping test after thermal ageing in air – Measurement of mass increase – Long-term stability test – Test method for copper-catalyzed oxidative degradation. Specifies the test methods for testing polymeric insulating and sheathing materials of electric and optical fibre cables for power distribution and telecommunications, including cables used on ships. Gives the methods for measurement of elongation at break after pre-conditioning, for wrapping test after pre-conditioning, for wrapping test after thermal ageing in air, for measurement of mass increase, for long-term stability test and for measurement of copper-catalyzed oxidative degradation, which apply to polyolefin insulations.</i>
SANS 60811-5-1:2004/ IEC 60811-5-1:2004 (Ed. 1.1)	<i>Insulating and sheathing materials of electric and optical cables – Common test methods – Part 5-1: Methods specific to filling compounds – Drop-point – Separation of oil – Lower temperature brittleness – Total acid number – Absence of corrosive components – Permittivity at 23 °C – D.C. resistivity at 23 °C and 100 °C. Consolidated edition incorporating IEC amendment No. 1. Amended to change the title of the standard, to extend the scope and to clarify the applicability of material and product specifications.</i>
SANS 61643-1:2003/ IEC 61643-1:2002 (Ed. 1.1)	<i>Surge protective devices connected to low-voltage power distribution systems – Part 1: Performance requirements and testing methods. IEC corrigendum No. 1. Changed to correct the sequence of the limiting voltage test and the heat resistance test.</i>

SCHEDULE 3: CANCELLATION OF STANDARDS

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

Standard No. and year	Title
SANS 37:1982 (SABS ISO 156:1982)	<i>Metallic materials – Hardness test – Verification of Brinell hardness testing machines</i>
SANS 41:1982 (SABS ISO 410:1982)	<i>Metallic materials – Hardness test – Tables of Brinell hardness values for use in tests made on flat surfaces</i>
SANS 55:1988 (SABS ISO 674:1988)	<i>Metallic materials – Hardness test – Calibration of standardized blocks to be used for Rockwell hardness testing machines (scales A-B-C-D-E-F-G-H-K)</i>
SANS 59:1986 (SABS ISO 716:1986)	<i>Metallic materials – Hardness test – Verification of Rockwell hardness testing machines (scales A-B-C-D-E-F-G-H-K)</i>
SANS 134:1989 (SABS ISO 1355:1989)	<i>Metallic materials – Hardness test – Calibration of standardized blocks to be used for Rockwell superficial hardness testing machines (scales 15N, 30N, 45N, 15T, 30T and 45T)</i>
SANS 216-1:2003 (SABS CISPR 16-1:2003)	<i>Specification for radio disturbance and immunity measuring apparatus and methods – Part 1: Radio disturbance and immunity measuring apparatus</i>
SANS 216-2:2003 (SABS CISPR 16-2:2003)	<i>Specification for radio disturbance and immunity measuring apparatus and methods – Part 2: Methods of measurement of disturbances and immunity</i>
SANS 216-4:2003 (SABS CISPR 16-4:2003)	<i>Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC measurements</i>
SANS 264:2003	<i>Low-pressure, non-adjustable regulators having a maximum outlet pressure of less than or equal to 200 mbar, with a capacity of less than or equal to 4 kg/h, and their associated safety devices for butane, propane or their mixtures</i>

SANS 436:1972 (SABS 436:1972)	<i>Water-resistant aluminium finishing paint</i>
SANS 1079:1989 (SABS ISO 1079:1989)	<i>Metallic materials – Hardness test – Verification of Rockwell superficial hardness testing machines (scales 15N, 30N, 45N, 15T, 30T and 45T)</i>
SANS 1146:1984 (SABS ISO 146:1984)	<i>Metallic materials – Hardness test – Verification of Vickers hardness testing machines HV 0,2 to HV 100</i>
SANS 1323:1981 (SABS 1323:1981)	<i>Non-flammable and water-rinsable solvent-based paint removers</i>
SANS 1656:1995 (SANS 1656:1995)	<i>Austempered ductile iron castings</i>
SANS 1808-8:1999	<i>Water supply and distribution system components – Part 8: Tap converters (copper alloy bodies)</i>
SANS 5158:1986 (SABS SM 158:1986)	<i>Colour fastness of textiles to rubbing (rotary method)</i>
SANS 6186:1992 (SABS SM 1186:1992)	<i>Textile floor coverings – Durability (Lisson treadwheel wear test)</i>
SANS 6187:1992 (SABS SM 1187:1992)	<i>Textile floor coverings – Assessment of changes in appearance</i>
SANS 12182:1998 (SABS ISO/IEC TR 12182:1998)	<i>Information technology – Categorization of software</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.