

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

No. 1474

17 October 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 1-1:2003	<i>Standards for standards – Part 1: The development of national standards and other normative documents.</i> Describes the underlying principles of the preparation of national standards and other normative documents published by Standards South Africa. Is intended to serve as a guide for committee members, chairpersons and Standards South Africa staff members, and as background information for standards development organizations, interested organizations and members of the public. It is not intended to lay down detailed internal procedures.
SANS 21:2003/ EN 115:1995	<i>Safety rules for the construction and installation of escalators and passenger conveyors.</i> Covers safety rules for the construction and installation of escalators and passenger conveyors. Is applicable to all new escalators and passenger conveyors (pallet or belt type).
SANS 61-1:2003/ ISO 10245-1:1994	<i>Cranes – Limiting and indicating devices – Part 1: General.</i> Specifies general requirements for limiting and indicating devices for lifting appliances that are applicable to loads and motions, performance and environment.
SANS 74-2:2003/ EN 746-2:1997	<i>Industrial thermoprocessing equipment – Part 2: Safety requirements for combustion and fuel handling systems.</i> Specifies requirements for combustion and fuel handling equipment used in industrial thermoprocessing equipment, e.g. furnaces, kilns, ovens and heating systems such as salt baths and melting tanks. Applies to the handling of fuel immediately adjacent to the equipment but downstream of and including the main plant manually operated fuel shut off valve. Applies to all forms of gaseous, liquid and solid fuel and any combinations of them in combustion with air or other gas containing free oxygen.
SANS 291:2003/ ISO 291:1997	<i>Plastics – Standard atmospheres for conditioning and testing.</i> Sets out specifications relating to the conditioning and testing of all plastics and all types of test specimens at constant atmospheric conditions which correspond to the average atmospheric conditions in laboratories. Special atmospheres applicable to a particular test or material or simulating a particular climatic environment are not included.
SANS 340:2003/ ISO 340:1988	<i>Conveyor belts – Flame retardation – Specifications and test method.</i> Specifies conditions for a flame retardation test for conveyor belts, and the corresponding requirements.
SANS 552:2003	<i>Paint-rollers including handle-frames and refills.</i> Specifies the requirements for handle-frames, wooskin refills and pile fabric refills for paint-rollers for oil-based and water-based paints. Excludes paint-rollers for fibre-glass application.
SANS 1700-2-1:2003/ ISO 68-1:1998	<i>Fasteners – Part 2: Screw threads – Section 1: ISO general purpose screw threads – Basic profile – Metric screw threads.</i> Specifies the basic profile for ISO general purpose metric screw threads (M).
SANS 1700-2-2:2003/ ISO 261:1998	<i>Fasteners – Part 2: Screw threads – Section 2: ISO general purpose metric screw threads – General plan.</i> Specifies ISO general purpose metric screw threads (M) having basic profile according to ISO 68-1. Basic dimensions are given in ISO 724. For tolerances see ISO 965-1.
SANS 1700-2-3:2003/ ISO 262:1998	<i>Fasteners – Part 2: Screw threads – Section 3: ISO general purpose metric screw threads – Selected sizes for screws, bolts and nuts.</i> Specifies selected sizes for screws, bolts and nuts in the diameter range from 1 mm to 64 mm of ISO general purpose metric screw threads (M) having basic profile according to SANS 1700-2-1/ISO 68-1.
SANS 1700-2-18:2003/ ISO 68-2:1998	<i>Fasteners – Part 2: Screw threads – Section 18: ISO general purpose screw threads – Basic profile – Inch screw threads.</i> Specifies the basic profile for ISO inch screw threads.
SANS 1700-2-19:2003/ ISO 965-4:1998	<i>Fasteners – Part 2: Screw threads – Section 19: ISO general purpose metric screw threads – Tolerances – Limits of sizes for hot-dip galvanized external screw threads to mate with internal screw threads tapped with tolerance position H or G after galvanizing.</i> Specifies deviations and limits of sizes for pitch and crest diameters for ISO general purpose metric external screw threads conforming to SANS 1700-2-3/ISO 262 having a basic profile according to SANS 1700-2-1/ISO 68-1.

Standard No. and year	Title, scope and purport
SANS 1700-2-20:2003/ ISO 965-5:1998	<i>Fasteners – Part 2: Screw threads – Section 20: ISO general purpose metric screw threads – Tolerances – Limits of sizes for internal screw threads to mate with hot-dip galvanized external screw threads with maximum size of tolerance position h before galvanizing. Specifies deviations and limits of sizes for pitch and crest diameters for ISO general purpose metric internal screw threads conforming to SANS 1700-2-3/ISO 262 having basic profile according to SANS 1700-2-1/ISO 68-1.</i>
SANS 1700-16-1:2003/ ISO 887:2000	<i>Fasteners – Part 16: Washers – Section 1: Plain washers for metric bolts, screws and nuts for general purposes – General plan. Specifies the full range of the nominal dimensions of product-grade-A and -C plain washers for general-purpose bolts, screws and nuts of nominal thread diameters ranging from 1 mm to 150 mm inclusive.</i>
SANS 1700-16-2:2003/ ISO 7089:2000	<i>Fasteners – Part 16: Washers – Section 2: Plain washers – Normal series – Product grade A. Specifies the characteristics of normal-series, product-grade-A plain washers in the 200 HV and 300 HV hardness classes and of nominal sizes (nominal thread diameters) ranging from 1,6 mm to 64 mm inclusive.</i>
SANS 1700-16-3:2003/ ISO 7090:2000	<i>Fasteners – Part 16: Washers – Section 3: Plain washers, chamfered – Normal series – Product grade A. Specifies the characteristics of normal-series, product-grade-A plain washers chamfered at the outside diameter, in the 200 HV and 300 HV hardness classes and of nominal sizes (nominal thread diameters) ranging from 5 mm to 64 mm inclusive.</i>
SANS 1700-16-4:2003/ ISO 7091:2000	<i>Fasteners – Part 16: Washers – Section 4: Plain washers – Normal series – Product grade C. Specifies the characteristics of normal-series, product-grade-C plain washers in the 100 HV hardness class and of nominal sizes (nominal thread diameters) ranging from 1,6 mm to 64 mm inclusive.</i>
SANS 1700-16-5:2003/ ISO 7092:2000	<i>Fasteners – Part 16: Washers – Section 5: Plain washers – Small series – Product grade A. Specifies the characteristics of small-series, product-grade-A plain washers in the 200 HV and 300 HV hardness classes and of nominal sizes (nominal thread diameters) ranging from 1,6 mm to 36 mm inclusive.</i>
SANS 1700-16-14:2003/ ISO 7093-2:2000	<i>Fasteners – Part 16: Washers – Section 14: Plain washers – Large series – Product grade C. Specifies the characteristics of large-series product-grade-C plain washers in the 100 HV hardness class, of nominal sizes (nominal thread diameters) ranging from 3 mm to 36 mm inclusive.</i>
SANS 1700-16-15:2003/ ISO 10644:1998	<i>Fasteners – Part 16: Washers – Section 15: Screw and washer assemblies with plain washers – Washer hardness classes 200 HV and 300 HV. Specifies the requirements for metric screw and plain washer assemblies with coarse thread M2 to M12 inclusive, flat seating heads, property classes up to and including 10.9 and washer hardness classes 200 HV and 300 HV.</i>
SANS 1700-16-16:2003/ ISO 10669:1999	<i>Fasteners – Part 16: Washers – Section 16: Plain washers for tapping screw and washer assemblies – Normal and large series – Product grade A. Specifies the characteristics of plain steel washers of product grade A for tapping screw and washer assemblies in accordance with ISO 10510.</i>
SANS 1700-16-17:2003/ ISO 10673:1998	<i>Fasteners – Part 16: Washers – Section 17: Plain washers for screw and washer assemblies – Small, normal and large series – Product grade A. Specifies the characteristics of plain steel washers, small, normal and large series, of product grade A with hardness classes 200 HV and 300 HV for metric screw and washer assemblies according to SANS 1700-16-15/ISO 10644.</i>
SANS 1700-19-1:2003/ ISO 14579:2001	<i>Fasteners – Part 19: Hexalobular socket head screws – Section 1: Hexalobular socket head cap screws. Specifies the characteristics of hexalobular socket head cap screws with thread sizes from M2 up to and including M20, of product grade A.</i>
SANS 1700-19-2:2003/ ISO 14580:2001	<i>Fasteners – Part 19: Hexalobular socket head screws – Section 2: Hexalobular socket cheese head screws. Specifies the characteristics of hexalobular socket cheese head screws in product grades A and with thread sizes from M2 up to and including M10.</i>
SANS 1700-19-3:2003/ ISO 14583:2001	<i>Fasteners – Part 19: Hexalobular socket head screws – Section 3: Hexalobular socket pan head screws. Specifies the characteristics of hexalobular socket pan head screws in product grades A and with thread sizes from M2 up to and including M10.</i>
SANS 1700-19-4:2003/ ISO 14584:2001	<i>Fasteners – Part 19: Hexalobular socket head screws – Section 4: Hexalobular socket raised countersunk head screws. Specifies the characteristics of hexalobular socket raised countersunk head screws in product grades A and with thread sizes from M2 to M10 inclusive.</i>
SANS 1700-19-5:2003/ ISO 14585:2001	<i>Fasteners – Part 19: Hexalobular socket head screws – Section 5: Hexalobular socket pan head tapping screws. Specifies the characteristics of hexalobular socket pan head tapping screws with thread sizes from ST2,9 to ST6,3 inclusive.</i>
SANS 1700-19-6:2003/ ISO 14586:2001	<i>Fasteners – Part 19: Hexalobular socket head screws – Section 6: Hexalobular socket raised countersunk head tapping screws. Specifies the characteristics of hexalobular socket countersunk head tapping screws with thread sizes from ST2,9 to ST6,3 inclusive.</i>
SANS 1700-19-7:2003/ ISO 14587:2001	<i>Fasteners – Part 19: Hexalobular socket head screws – Section 7: Hexalobular socket raised countersunk (oval) head tapping screws. Specifies the characteristics of hexalobular socket raised countersunk (oval) head tapping screws with thread sizes from ST2,9 to ST6,3 inclusive.</i>
SANS 1824:2003	<i>Beam trolleys (crawls). Specifies the requirements for beam trolleys (crawls) for lifting equipment of combined beam trolley and chain block, manually propelled beam trolleys, mechanically propelled beam trolleys, and power driven beam trolleys.</i>
SANS 2781:2003/ ISO 2781:1988	<i>Rubber, vulcanized – Determination of density. Specifies two methods of test for the determination of the density of solid vulcanized rubber.</i>
SANS 2878:2003/ ISO 2878:1987	<i>Rubber, vulcanized – Antistatic and conductive products – Determination of electrical resistance. Specifies a method of test to determine the electrical resistance of antistatic and conductive articles and products manufactured wholly or in part from rubber whose electrical resistance measured between defined points, when new, does not exceed <math>1 \times 10^8 \Omega</math> and whose conductivity is derived from the addition of carbon black and/or other appropriate substances to the bulk of the material.</i>

Standard No. and year	Title, scope and purport
SANS 6592:2003/ ISO/IEC 6592:2000	<i>Information Technology – Guidelines for the documentation of computer-based application systems.</i> Gives guidelines for the documentation of information systems (ISs) and is intended for use in that area. Is applicable to the software of information systems. Some aspects of hardware, e.g. configuration of the system, are included.
SANS 8686-5:2003/ IEC 8686-5:1992	<i>Cranes – Design principles for loads and load combinations – Part 5: Overhead travelling and portal bridge cranes.</i> Establishes the application of ISO 8686-1 to overhead travelling and portal bridge cranes as defined in ISO 4306-1, and gives specific values for the factors to be used.
SANS 9126-1:2003/ ISO/IEC 9126-1:2001	<i>Software engineering – Product quality – Part 1: Quality model.</i> Describes a two-part model for software product quality: (a) internal quality and external quality, and (b) quality in use. The first part of the model specifies six characteristics for internal and external quality, which are subdivided into subcharacteristics. These subcharacteristics are manifested externally when the software is used as a part of a computer system, and are a result of internal software attributes. The second part of the model specifies four quality in use characteristics. The characteristics are applicable to every kind of software, including computer programs and data confined in firmware.
SANS 9797-1:2003/ ISO/IEC 9797-1:1999	<i>Information technology – Security techniques – Message Authentication Codes (MACs) – Part 1: Mechanisms using a block cipher.</i> Specifies six MAC algorithms that use a secret key and an <i>n</i> -bit block cipher to calculate an <i>m</i> -bit MAC.
SANS 9797-2:2003/ ISO/IEC 9797-2:2002	<i>Information technology – Security techniques – Message Authentication Codes (MACs) – Part 2: Mechanisms using a dedicated hash-function.</i> Specifies three MAC algorithms that use a secret key and a hash-function (or its round-function) with an <i>n</i> -bit result to calculate an <i>m</i> -bit MAC.
SANS 10244-2:2003/ EN 10244-2:2001	<i>Steel wire and wire products – Non-ferrous metallic coatings on steel wire – Part 2: Zinc and zinc alloy coatings.</i> Specifies the requirement for coating mass, other properties and testing of zinc and zinc alloy coatings on steel wire and steel wire products of circular or other section.
SANS 10353:2003	<i>Small arms shooting ranges.</i> Covers general requirements for the planning, construction and operation of indoor and outdoor shooting ranges.
SANS 10460:2003/ ISO 10460:1993	<i>Welded carbon steel gas cylinders – Periodic inspection and testing.</i> Specifies the minimum requirements for periodic inspection and testing to verify the integrity of gas cylinders for further service. Applies to welded carbon steel transportable gas cylinders intended for compressed, liquefied or dissolved gases under pressure, excluding acetylene and LPG, of water capacity from 1 L up to and including 150 L.
SANS 10461:2003/ ISO 10461:1993	<i>Seamless aluminium-alloy gas cylinders – Periodic inspection and testing.</i> Specifies the minimum requirements for periodic inspection and testing to verify the integrity of gas cylinders for further service. Deals with seamless aluminium-alloy transportable gas cylinders intended for compressed, liquefied or dissolved gases under pressure, excluding acetylene, of water capacity from 0,5 L up to 150 L.
SANS 10462:2003/ ISO 10462:1994	<i>Cylinders for dissolved acetylene – Periodic inspection and maintenance.</i> Specifies the minimum requirements for periodic inspection and maintenance to verify the integrity of acetylene cylinders for further service, regardless of the method of manufacture of the shell.
SANS 10746-1:2003/ ISO/IEC 10746-1:1998	<i>Information technology – Open distributed processing – Reference model: Overview.</i> Gives an introduction and motivation for Open Distributed Processing. Provides an overview of the Reference Model of Open Distributed Processing (RM-ODP) and an explanation of its key concept. Gives guidance on the application of the RM-ODP.
SANS 10746-2:2003/ ISO/IEC 10746-2:1996	<i>Information technology – Open distributed processing – Reference model: Foundations.</i> Covers the concepts which are needed to perform the modelling of ODP systems, and the principles of conformance to ODP systems.
SANS 10746-3:2003/ ISO/IEC 10746-3:1996	<i>Information technology – Open distributed processing – Reference model: Architecture.</i> Defines how ODP systems are specified, making use of concepts in ITU-T Recommendation X.902 ISO/IEC 10746-2; identifies the characteristics that qualify systems as ODP systems. Establishes a framework for coordinating the development of existing and future standards for ODP systems and is provided for reference by those standards.
SANS 14143-2:2003/ ISO/IEC 14143-2:2002	<i>Information Technology – Software measurement – Functional size measurement – Part 2: Conformity evaluation of software size measurement methods to ISO/IEC 14143-1:1998.</i> Establishes a framework for the conformity evaluation of a Candidate FSM Method against the provisions of ISO/IEC 14143-1:1998, describes a process for conformity evaluation of whether a Candidate FSM Method meets the (type) requirements of ISO/IEC 14143-1:1998 such that it is an actual FSM method, i.e. they are of the same type, describes the requirements for performing a conformity evaluation in order to ensure repeatability of the conformity evaluation process, as well as consistency of decisions on conformity and final result, aims to ensure that the output from the conformity evaluation process is objective, impartial, consistent, repeatable, complete and auditable. Provides informative guidelines for determining the competence of the conformity evaluation teams, provides an example checklist to assist in the conformity evaluation of a Candidate FSM Method, and provides an example template for the conformity evaluation report.
SANS 14143-4:2003/ ISO/IEC 14143-4:2002	<i>Information Technology – Software measurement – Functional size measurement – Part 4: Reference model.</i> Defines the reference model to be used when verifying a Functional Size Measurement (FSM) method.
SANS 14598-2:2003/ ISO/IEC 14598-2:2000	<i>Software engineering – Product evaluation – Part 2: Planning and management.</i> Provides requirements, recommendations and guidelines for a supporting function which is responsible for the management of software product evaluation and for technologies necessary for software product evaluation.
SANS 14598-3:2003/ ISO/IEC 14598-3:2000	<i>Software engineering – Product evaluation – Part 3: Process for developers.</i> Provides requirements and recommendations for the practical implementation of software product evaluation when the evaluation is conducted in parallel with the development and carried out by the developer. The process defines the activities needed to analyse evaluation requirements, to specify, design, and perform evaluation actions and to conclude the evaluation of any kind of software product.

Standard No. and year	Title, scope and purport
SANS 14598-4:2003/ ISO/IEC 14598-4:1999	<i>Software engineering – Product evaluation – Part 4: Process for acquirers.</i> Contains requirements, recommendations and guidelines for the systematic measurement, assessment and evaluation of software product quality during acquisition of "off-the-shelf" software products, custom software products or modifications to existing software products. It is intended for, but not limited to, project managers, system engineers, development and maintenance software engineering staff and end users who plan to acquire software products, and also suppliers who provide such products.
SANS 14598-6:2003/ ISO/IEC 14598-6:2001	<i>Software engineering – Product evaluation – Part 6: Documentation of evaluation modules.</i> Defines the structure and content of the documentation to be used to describe an Evaluation Module. It is intended to be used by experts in evaluation technology such as testing laboratories, research institutes and others when producing new evaluation modules.
SANS 15288:2003/ ISO/IEC 15288:2002	<i>Systems engineering – Systems life cycle processes.</i> Establishes a common framework for describing the life cycle of systems created by humans. It defines a set of processes and associated terminology. Also provides processes that support the definition, control and improvement of the life cycle processes used within an organization or a project. It concerns those systems that are man-made and may be configured with one or more of the following: hardware, software, humans, processes (e.g. review processes), procedures (e.g. operator instructions), facilities and naturally occurring entities (e.g. water, organisms, minerals).
SANS 15528:2003/ ISO 15528:2000	<i>Paints, varnishes and raw materials for paints and varnishes – Sampling.</i> Describes manual methods of sampling paints, varnishes and raw materials for paints and varnishes.
SANS 15939:2003/ ISO/IEC 15939:2002	<i>Software engineering – Software measurement process.</i> Identifies the activities and tasks that are necessary to successfully identify, define, select, apply, and improve software measurement within an overall project or organisational measurement structure. It also provides definitions for measurement terms commonly used within the software industry.
SANS 17090-1:2003/ ISO/TS 17090-1:2002	<i>Health informatics – Public key infrastructure – Part 1: Framework and overview.</i> Defines the basic concepts of a healthcare public key infrastructure (PKI) and provides a scheme of interoperability requirements to establish a PKI enabled secure communication of health information. It also identifies the major stakeholders who are communicating in health, as well as the main security services required for health communication where PKI may be required.
SANS 17090-2:2003/ ISO/TS 17090-2:2002	<i>Health informatics – Public key infrastructure – Part 2: Certificate profile.</i> Specifies the certificate profiles required to interchange healthcare information within a single organization, between different organizations and across jurisdictional boundaries. It details the use made of public key infrastructure (PKI) digital certificates in the health industry and focuses, in particular, on specific healthcare issues relating to certificate profiles.
SANS 17090-3:2003/ ISO/TS 17090-3:2002	<i>Health informatics – Public key infrastructure – Part 3: Policy management of certification authority.</i> Gives guidelines for certificate management issues involved in implementing and operating a healthcare public key infrastructure (PKI). It specifies a structure and minimum requirements for certificate policies, as well as a structure for associated certification practice statements.
SANS 19111:2003/ ISO 19111:2003	<i>Geographic information – Spatial referencing by coordinates.</i> Defines the conceptual schema for the description of spatial referencing by coordinates. It describes the minimum data required to define one-, two- and three-dimensional coordinate reference systems. It allows additional descriptive information to be provided. It also describes the information required to change coordinate values from one coordinate reference system to another.
SANS 50868-1:2003/ EN 868-1:1997	<i>Packaging materials and systems for medical devices which are to be sterilized – Part 1: General requirements and test methods.</i> Specifies the requirements and test methods for packaging materials and systems: which are used for packaging of medical devices which are to be terminally sterilized; and which are intended to maintain sterility of the device.
SANS 50868-2:2003/ EN 868-2:1999	<i>Packaging materials and systems for medical devices which are to be sterilized – Part 2: Sterilization wrap – Requirements and test methods.</i> Provides examples of particular requirements and test methods for sterilization wrap suitable for use as packaging of medical devices which are to be terminally sterilized. Provides guidance based upon former, relevant national standards.
SANS 50868-3:2003/ EN 868-3:1999	<i>Packaging materials and systems for medical devices which are to be sterilized – Part 3: Paper for use in the manufacture of paper bags (specified in SANS 50868-4/EN 868-4) and in the manufacture of pouches and reels (specified in SANS 50868-5/EN 868-5) Requirements and test methods.</i> Provides examples of particular requirements and test methods for paper, used in the manufacture of paper bags (specified in SANS 50868-4/EN 868-4) and in the manufacture of pouches and reels (specified in SANS 50868-5/EN 868-5).
SANS 50868-4:2003/ EN 868-4:1999	<i>Packaging materials and systems for medical devices which are to be sterilized – Part 4: Paper bags – Requirements and test methods.</i> Provides examples of particular requirements and test methods for paper bags manufactured from paper specified in SANS 50868-3/EN 868-3.
SANS 50868-5:2003/ EN 868-5:1999	<i>Packaging materials and systems for medical devices which are to be sterilized – Part 5: Heat and self-sealable pouches and reels of paper and plastic film construction – Requirements and test methods.</i> Provides examples of particular requirements and test methods for heat and self-sealable pouches and reels manufactured from paper complying with SANS 50868-3/EN 868-3 and plastic film complying with clause 4 of this standard.
SANS 50868-6:2003/ EN 868-6:1999	<i>Packaging materials and systems for medical devices which are to be sterilized – Part 6: Paper for the manufacture of packs for medical use for sterilization by ethylene oxide or irradiation – Requirements and test methods.</i> Provides examples of particular requirements and test methods for paper used in the manufacture of packs for medical use.
SANS 50868-7:2003/ EN 868-7:1999	<i>Packaging materials and systems for medical devices which are to be sterilized – Part 7: Adhesive coated paper for the manufacture of heat sealable packs for medical use for sterilization by ethylene oxide or irradiation – Requirements and test methods.</i> Provides examples of particular requirements and test methods for heat sealable adhesive coated paper manufactured from paper complying with SANS 50868-6/EN 868-6, for use as packaging of medical devices which are to be terminally sterilized with ethylene oxide or irradiation.

Standard No. and year	Title, scope and purport
SANS 50868-8:2003/ EN 868-8:1999	<i>Packaging materials and systems for medical devices which are to be sterilized – Part 8: Re-usable sterilization containers for steam sterilizers conforming to EN 285 – Requirements and test methods.</i> Provides examples of particular requirements and test methods for re-usable containers for steam sterilization.
SANS 50868-9:2003/ EN 868-9:2000	<i>Packaging materials and systems for medical devices which are to be sterilized – Part 9: Uncoated nonwoven materials of polyolefines for use in the manufacture of heat sealable pouches, reels and lids – Requirements and test methods.</i> Provides examples of particular requirements for uncoated nonwoven materials of polyolefines suitable for use as packaging of medical devices which are to be terminally sterilized.
SANS 50868-10:2003/ EN 868-10:2000	<i>Packaging materials and systems for medical devices which are to be sterilized – Part 10: Adhesive coated nonwoven materials of polyolefines for use in the manufacture of heat sealable pouches, reels and lids – Requirements and test methods.</i> Provides examples of particular requirements for adhesive coated nonwoven materials of polyolefines suitable for use as packaging of medical devices which are to be terminally sterilized.
SANS 51413:2003/ EN 1413:1998	<i>Textiles – Determination of pH of aqueous extract.</i> Specifies a method for determining the pH of the aqueous extract of textiles. It is applicable to textiles in any form.
SANS 60331-12:2003/ IEC 60331-12:2002	<i>Tests for electric cables under fire conditions – Circuit integrity – Part 12: Apparatus – Fire with shock at a temperature of at least 830 °C.</i> Specifies the test apparatus to be used for testing cables required to maintain circuit integrity when subject to fire and mechanical shock where the test condition is based upon a flame with a controlled heat output corresponding to a temperature of a nominal 850 °C. It is intended for use when testing cables of greater than 20 mm overall diameter.
SANS 60331-31:2003/ IEC 60331-31:2002	<i>Test for electric cables under fire conditions – Circuit integrity – Part 31: Procedures and requirements for fire with shock – Cables of rated voltage up to and including 0,6/1 kV.</i> Specifies the test procedure and gives the performance requirement, including a recommended flame application time, for cables of rated voltage up to and including 0,6/1,0 kV required to maintain circuit integrity when subjected to fire and mechanical shock under specified conditions. It is intended for use when testing cables of greater than 20 mm overall diameter.
SANS 60335-2-83:2003/ IEC 60335-2-83:2001	<i>Household and similar electrical appliances – Safety – Part 2-83: Particular requirements for heated gullies for roof drainage.</i> Deals with the safety of electrically heated gullies for de-icing the inlet of the drainage system of flat roofs, balconies, and similar structures, their rated voltage being not more than 250 V.
SANS 60335-2-89:2003/ IEC 60335-2-89:2002	<i>Household and similar electrical appliances – Safety – Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant condensing unit or compressor.</i> Specifies safety requirements for electrically operated commercial refrigerating appliances that have an incorporated compressor or that are supplied in two units for assembly as a single appliance in accordance with the manufacturer's instructions (split system).
SANS 60335-2-96:2003/ IEC 60335-2-96:2002	<i>Household and similar electrical appliances – Safety – Part 2-96: Particular requirements for flexible sheet heating elements for room heating.</i> Deals with the safety of flexible sheet heating elements intended to be incorporated into the building to heat the room in which they are located, their rated voltage being not more than 250 V for single-phase installations and 480 V for other installations.
SANS 60335-2-104:2003/ IEC 60335-2-104:2003	<i>Household and similar electrical appliances – Safety – Part 2-104: Particular requirements for appliances to recover and/or recycle refrigerant from air conditioning and refrigeration equipment.</i> Deals with the safety of electrical appliances to recover and/or recycle refrigerant from air conditioning and refrigeration equipment incorporating open drive or motor compressors.
SANS 60670-1:2003/ IEC 60670-1:2002	<i>Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 1: General requirements.</i> Applies to boxes, enclosures and parts of enclosures for electrical accessories with a rated voltage not exceeding 1 000 V a.c. and 1 500 V d.c. intended for household or similar fixed electrical installations, either indoors or outdoors.
SANS 60745-2-21:2003/ IEC 60745-2-21:2002	<i>Hand-held motor-operated electric tools – Safety – Part 2-21: Particular requirements for drain cleaners.</i> Applies to drain cleaners. Deals with the safety of hand-held motor-operated or magnetically driven electric drain cleaners, the rated voltage of the drain cleaners being not more than 250 V for single-phase a.c. or d.c. cleaners, and 440 V for three-phase a.c. cleaners.
SANS 60794-3-10:2003/ IEC 60794-3-10:2002	<i>Optical fibre cables – Part 3-10: Outdoor cables – Family specification for duct and directly buried optical telecommunication cables.</i> Covers optical telecommunication cables to be used in ducts or direct buried applications. Requirements of the sectional specification SANS 60794-3/IEC 60794-3 (SABS IEC 60794-3) for duct, buried and aerial cables are applicable.
SANS 60794-3-20:2003/ IEC 60794-3-20:2002	<i>Optical fibre cables – Part 3-20: Outdoor cables – Family specification for optical self-supporting aerial telecommunication cables.</i> Covers optical self-supporting aerial telecommunication cables. Requirements of the sectional specification SANS 60794-3/IEC 60794-3 (SABS IEC 60794-3) for duct, buried and aerial cables are applicable.
SANS 61010-2-032:2003/ IEC 61010-2-032:2002	<i>Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-032: Particular requirements for hand-held and hand-manipulated current sensors for electrical test and measurement.</i> Applies to three types of hand-held and hand-manipulated current sensors to be used in the measurement of current without physically opening the current path of the circuit being measured. They may be stand-alone current sensors or accessories to other equipment.
SANS 61282-3:2003/ IEC TR 61282-3:2002	<i>Fibre optic communication system design guides – Part 3: Calculation of polarization mode dispersion.</i> Provides guidelines for the calculation of polarization mode dispersion (PMD) in fibre optic systems to accommodate the statistical variation of PMD and differential group delay (DGD) in optical fibre cables and components.

Standard No. and year	Title, scope and purport
SANS 61558-2-9:2003/ IEC 61558-2-9:2002	<i>Safety of power transformers, power supply units and similar products – Part 2-9: Particular requirements for transformers for class III handlamps for tungsten filament lamps.</i> Covers such aspects of safety as electrical, thermal and mechanical. Applies to stationary or portable single-phase air-cooled (natural or forced) associated safety isolating transformers for class III handlamps for tungsten filament lamps, having a rated supply voltage not exceeding 1 000 V a.c., a rated frequency not exceeding 500 Hz and a rated output not exceeding 10 kVA. Is applicable to dry-type transformers and transformers incorporating electronic circuits.
SANS 61643-12:2003/ IEC 61643-12:2002	<i>Low-voltage surge protective devices – Part 12: Surge protective devices connected to low-voltage power distribution systems – Selection and application principles.</i> Describes the principles for selection, operation, location and co-ordination of SPDs to be connected to 50 Hz to 60 Hz a.c. and to d.c. power circuits and equipment rated up to 1 000 V r.m.s. or 1 500 V d.c.
SANS 61982-2:2003/ IEC 61982-2:2002	<i>Secondary batteries for the propulsion of electric road vehicles – Part 2: Dynamic discharge performance test and dynamic endurance test.</i> Specifies tests and requirements for capacity and endurance tests for secondary batteries used for vehicle propulsion applications. Specifies certain essential characteristics of cells and batteries used for propulsion of electric road vehicles together with the relevant test methods for their specification.
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.</i> Applies to electronic uninterruptible power systems (UPS) with an electrical energy storage device in the d.c. link. Is intended to be installed in any operator accessible area. Specifies requirements to ensure safety for the operator, the layman who may come into contact with the equipment and, where specifically stated, for the service person. Is to be used with SANS 60950/IEC 60950-1 which is referred to in this standard as "RD".
SANS 62040-1-2:2003/ IEC 62040-1-2:2002	<i>Uninterruptible power systems (UPS) – Part 1-2: General and safety requirements for UPS used in restricted access locations.</i> Applies to electronic uninterruptible power systems with an electrical energy storage device in the d.c. link. Is intended to be installed in restricted access locations. Specifies requirements to ensure safety for the service person. Is to be used with SANS 60950-1/IEC 60950-1 which is referred to in this standard as "RD".
SANS 62271-102:2003/ IEC 62271-102:2001	<i>High-voltage switchgear and controlgear – Part 102: Alternating current disconnectors and earthing switches.</i> Applies to alternating current disconnectors and earthing switches, designed for indoor and outdoor enclosed and open terminal installations for voltages above 1 000 V and for service frequencies up to and including 60 Hz.
SANS 62271-105:2003/ IEC 62271-105:2002	<i>High-voltage switchgear and controlgear – Part 105: Alternating current switch-fuse combinations.</i> Applies to three-pole units for public and industrial distribution systems which are functional assemblies of switches including switch-disconnectors and current-limiting fuses designed so as to be capable of breaking, at the rated recovery voltage, any current up to and including the rated short-circuit breaking current, making, at the rated voltage, circuits to which the rated short-circuit breaking current applies. It applies to combinations designed with rated voltages above 1 kV up to and including 52 kV for use on three-phase alternating current systems of either 50 Hz or 60 Hz.

## 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 21:2003/ EN 115:1995	<i>Safety rules for the construction and installation of escalators and passenger conveyors. EN amendment No. 1.</i> Amended to modify the additional requirements of 5.1.5.8 under "EXCEPTION".
SANS 158:2003 (Ed. 4.4)	<i>Electrical appliances for heating liquids. Consolidated edition incorporating amendment No. 4.</i> Amended to update referenced standards, and to change the definition for "acceptable".
SANS 213:2003/ CISPR 13:2003 (Ed. 3.1)	<i>Sound and television broadcast receivers and associated equipment – Radio disturbance characteristics – Limits and methods of measurement. Consolidated edition incorporating CISPR amendment No. 1.</i> Amended to add a normative annex A and an informative annex B, covering broadcast receivers for digital signals, and four new figures.
SANS 215:2003/ CISPR 15:2002 (Ed. 3.2)	<i>Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment. Consolidated edition incorporating CISPR amendment No. 2.</i> Amended to add a requirement for the disturbance voltage limits at mains terminals for measurement in emergency mode.
SANS 291:2003/ ISO 291:1997	<i>Plastics – Standard atmospheres for conditioning and testing. ISO technical corrigendum No. 1.</i> Amended to change the sign $\geq$ (greater than equal to) to $\leq$ (less than equal to).
SANS 460:2003 (SABS 460:1985)	<i>Plain-ended solid drawn copper tubes for potable water.</i> Covers requirements for plain-ended, solid drawn copper tubes for the conveyance of potable water.
SANS 492-2:2003 (SABS 492-2:1982)	<i>Protective and safety gum boots – Part 2: Moulded rubber gum boots.</i> Covers three types of rubber gum boots that are produced by the moulding process.
SANS 515:2003 (SABS 515:1972)	<i>Decorative paint for interior use.</i> Specifies the requirements for decorative air-drying paints (other than emulsion paints) for interior use as a finishing coat on metal, wood, sealed plaster walls, composition board and similar materials that have been primed or painted previously. Covers two types of paint: semi-gloss (or eggshell gloss) and flat.



Standard No. and year	Title, scope and purport
SANS 548:2003 (Ed. 1.7)	<i>Cationic bitumen road emulsions. Consolidated edition incorporating amendment No. 7.</i> Amended to delete reference to the mark scheme, to indicate an alternative name for the fluxing agent content, to correct a reference to a column number in table 1, and to delete the footnotes on the obtainability of standard dolerite chippings and standard silica flour.
SANS 588:2003 (Ed. 3.3)	<i>Woollen overcoating. Consolidated edition incorporating amendment No. 2.</i> Amended to change the definition for "acceptable", to delete the reference to a standard sample and the references to CKS specifications from the requirements for colour and packing, and to update certain test methods and the standard on quality management systems.
SANS 650:2003 (Ed. 2.1)	<i>Laundry detergent (for use in non-automatic domestic washing machines). Consolidated edition incorporating amendment No. 1.</i> Amended to include a new type of laundry detergent and a requirement for its pH value, to update referenced standards, to change the definition for acceptable, and to update the information on the obtainability of standard laundry detergent.
SANS 660:2003 (Ed. 3.1)	<i>Classroom furniture. Consolidated edition incorporating amendment No. 1.</i> Amended to replace the definition of "acceptable" and to update normative references.
SANS 677:2003 (Ed. 3.3)	<i>Concrete non-pressure pipes. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards, to change a definition, to delete a reference to the standardization mark scheme and to add the correct titles of the different sections of SANS 10120-series in appendix A.
SANS 726:2003 (Ed. 2.3)	<i>Medical trolleys (dressing/medicine; instrument; anaesthetists' dressing). Consolidated edition incorporating amendment No. 3.</i> Amended to delete reference to the standardization mark scheme, to update the definition for "acceptable", to change the materials requirements for paint, to change the requirements for the finish of stainless steel surfaces, to delete reference to SABS 663, and to replace reference to SABS 728 and SABS 051-2 with reference to SANS 135 and SANS 10142-1 respectively.
SANS 777:2003 (Ed. 3.1)	<i>Overbed tables. Consolidated edition incorporating amendment No. 1.</i> Amended to delete reference to the standardization mark scheme, to delete the references to SABS 1301 and SABS 0157 and to replace them with references to SANS 50312-1 and SANS 9001 respectively; to delete reference to the testing authority that held the standard samples and that could provide details of suitable apparatus for the determination of thickness of epoxy-powder coating film; and to update the appendix on quality verification of overbed tables.
SANS 819:2001 (SABS 819:2001) (Ed. 3.2)	<i>Fibre-cement pipes, couplings and fittings for sewerage, drainage and low-pressure irrigation. Consolidated edition incorporating corrigendum No. 1.</i> Has been changed to correct typographical errors where certain numbers, units and symbols could have caused confusion.
SANS 878:2003 (SABS 878:1983)	<i>Ready-mixed concrete.</i> Covers the requirements for ready-mixed concrete, its constituent materials, batching and mixing equipment, production and delivery, testing, quality control and records and defines the responsibilities of the purchaser and the supplier.
SANS 888:2003 (Ed. 2.3)	<i>Interlining. Consolidated edition incorporating amendment No. 2.</i> Amended to delete type 29W, to replace the existing four types of haircloth, to introduce a new type of interlining, to update certain test methods, to delete references to kgf units, to include references to quality verification and to delete references to standard patterns.
SANS 896:2003 (Ed. 2.2)	<i>Soiled linen carriers. Consolidated edition incorporating amendment No. 2.</i> Amended to change the definition of "acceptable", to change the requirements for paint and finish of the frame, and to update appendix A.
SANS 927:2003 (Ed. 2.1)	<i>Precast concrete kerbs, edgings and channels. Consolidated edition incorporating amendment No. 1.</i> Amended to correct the figures for minimum transverse strength in table 1.
SANS 1010:2003 (Ed. 2.3)	<i>Bunting. Consolidated edition incorporating amendment No. 2.</i> Amended to change the definitions of "acceptable" and "LAQ", delete the reference to a standard pattern and the references to CKS specifications for colour and packing, to remove the option of the use of bleached spun yarns, to change the requirements for selvages, delete requirements for moth resistance and wool fibre diameter, delete type 260 and include requirements and test methods for a new type of knitted bunting, and to update certain test methods and the standard on quality management systems.
SANS 1060:2003 (Ed. 1.2)	<i>Wheelchairs (folding type). Consolidated edition incorporating amendment No. 2.</i> Amended to update the requirements for aluminium sheet and tubing, paint, and nickel and nickel-chromium plating, to replace referenced standards that have been withdrawn, to update the quality verification appendix and to delete reference to the standardization mark.
SANS 1123:2003 (SABS 1123:2000)	<i>Pipe flanges.</i> Specifies requirements for the material and dimensions of six types of flange suitable for working pressures up to 4 000 kPa and working temperatures in the range -10 °C to +200 °C.
SANS 1159:2003 (SABS 1159:1978)	<i>The production of pre-cooked frozen foods containing protein.</i> Specifies requirements for the production of pre-cooked frozen foods containing protein.
SANS 1223:2003 (Ed. 2.1)	<i>Fibre-cement pressure pipes and couplings. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 1228:2003 (SABS 1228:1986)	<i>Abrasion-resistant polymeric gloves: Lined type.</i> Specifies requirements for the type, design, construction, materials, dimensions, and service-related properties of protective gloves made from fabric-lined polymeric material which may be a plasticised poly (vinyl chloride) (PVC-P) or a synthetic rubber. The gloves are for use where abrasion resistance is an essential property, for example, in the handling of ores, construction materials, timber, etc., and in mining operations.
SANS 1329-4:2003 (Ed. 3.5)	<i>Retro-reflective and fluorescent warning signs for road vehicles - Part 4: Retro-reflective chevron signs. Consolidated edition incorporating amendment No. 5.</i> Amended to replace the reference to SANS 167 with ISO 11341.
SANS 1339:2003 (Ed. 3.1)	<i>Electric cables - Cross-linked polyethylene (XLPE) insulated cables for rated voltages 3,8/6,6 kV to 19/33 kV. Consolidated edition incorporating amendment No. 1.</i> Amended to replace reference to SANS 60332-3 with SANS 60332-3-24.

Standard No. and year	Title, scope and purport
SANS 1376-1:2003 (Ed. 1.4)	<i>Lights for motor vehicles – Part 1: Incandescent lamps. Consolidated edition incorporating amendment No. 4.</i> Amended to add information relating to the compulsory application of the standard, to add chromaticity coordinates for white bulbs and to change the definition of "acceptable".
SANS 1394-2:2003 (Ed. 1.2)	<i>Duvets and pillows – Part 2: Synthetic-fibre filled. Consolidated edition incorporating amendment No. 1.</i> Amended to replace referenced standards that have been withdrawn, and to change the definition of "acceptable".
SANS 1411-2:2003 (SABS 1411-2:1987)	<i>Materials of insulated electric cables and flexible cords – Part 2: Polyvinyl chloride (PVC).</i> Specifies requirements for PVC components used in insulated electric cables and flexible cords.
SANS 1411-5:2003 (SABS 1411-5:1998)	<i>Materials of insulated electric cables and flexible cords – Part 5: Halogen-free, flame-retardant materials.</i> Specifies requirements for halogen-free, flame-retardant components used in insulated electric cables and flexible cords.
SANS 1431:2003 (Ed. 1.5)	<i>Weldable structural steels. Consolidated edition incorporating amendment No. 5.</i> Amended to modify the chemical composition of grade 300 WA steel and 300 WC steel to table 1, to update normative references and to delete appendix F.
SANS 1522:2003 (SABS 1522:1991)	<i>Fire extinguishing powders.</i> Covers the requirements for fire extinguishing powders for class A, class B and class C.
SANS 1529-1:2003 (Ed. 2.2)	<i>Water meters for cold potable water – Part 1: Metrological characteristics of mechanical water meters of nominal bore not exceeding 100 mm. Consolidated edition incorporating amendment No. 2.</i> Amended to change the requirements for materials and for the installation of plastics meters; to change the hydraulic pressure requirements; to include an accuracy test; to change the temperature cycling test; to add a test for magnetic influence; to delete a requirement for meters intended to be installed in manifolds; to change the test conditions for the verification of water meters; and to update a normative reference.
SANS 1529-9:2003 (Ed. 1.1)	<i>Water meters for cold potable water – Part 9: Requirements for electronic indicators used with mechanical water meters, electronic water meters and electronic pre-payment water measuring systems. Consolidated edition incorporating amendment No. 1.</i> Amended to bring this part of SANS 1529 into line with amendments to SANS 1529-1, relax the requirements for checking facilities, shut off valves and plastics housings, clarify that certain requirements of SANS 1529-1 are applicable and to correct editorial errors.
SANS 1543:2003 (SABS 1543:1991)	<i>Escalators and passenger conveyors.</i> Specifies safety rules for the construction and installation of escalators and passenger conveyors. Is applicable to all new escalators and passenger conveyors (pallet or belt type).
SANS 1700-2-6:2003/ ISO 965-2:1998 (SABS 1700-2-6:1996)	<i>Fasteners – Part 2: Screw threads – Section 6: ISO general purpose metric screw threads – Tolerances – Limits of sizes for general purpose external and internal screw threads – Medium quality.</i> Specifies limits of sizes for pitch and crest diameters for ISO general purpose metric screw threads (M) conforming to SANS 1700-2-3/ISO 262 having a basic profile according to SANS 1700-2-1/ISO 68-1.
SANS 1700-16-6:2003/ ISO 7093-1:2000 (SABS 1700-16-6:1996)	<i>Fasteners – Part 16: Washers – Section 6: Plain washers – Large series – Product grade A.</i> Specifies the characteristics of large-series, product-grade-A plain washers in the 200 HV and 300 HV hardness classes and of nominal sizes from 3 mm to 36 mm inclusive. The washers are intended for use in cases where soft material pieces are to be clamped or where there are large clearance holes in the workpiece.
SANS 1700-16-7:2003/ ISO 7094:2000 (SABS 1700-16-7:1996)	<i>Fasteners – Part 16: Washers – Section 7: Plain washers – Extra large series – Product grade C.</i> Specifies the characteristics of extra-large-series, product-grade-C plain washers in the 100 HV hardness class, of nominal sizes ranging from 5 mm to 36 mm inclusive. The washers are suitable for hexagon bolts and screws of product grade C in property classes up to and including 6.8, and hexagon nuts of product grade C in property classes up to and including 6 used in timber structures. <i>ISO corrigendum 1.</i> Changed to correct the maximum clearance hole of washers that have a nominal size of 18, and the minimum thickness dimension of washers that have a nominal size of 22.
SANS 1700-18-1:2003/ ISO 1051:1999 (SABS 1700-18-1:1996)	<i>Fasteners – Part 18: Rivets – Section 1: Rivet shank diameters.</i> Specifies two series of shank diameters of rivets for general use, except blind rivets, in the range from 1 mm up to and including 36 mm.
SANS 1745:2003 (Ed. 1.1)	<i>Cementitious grouting capsules for use with tendon-based support systems. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 2781:2003/ ISO 2781:1988	<i>Rubber, vulcanized – Determination of density. ISO technical corrigendum No. 1.</i> Amended to change the wording in the preparation of sample.
SANS 5568:2003 (SABS SM 568:1970)	<i>Pesticides – Insecticidal oil-based space sprays in low-pressurized dispensers: Determination of internal pressure of filled dispensers.</i> Gives guidance on the determination of the internal pressure of filled dispensers of insecticidal oil-based space sprays.
SANS 5569:2003 (SABS SM 569:1970)	<i>Pesticides – Insecticidal oil-based space sprays in low-pressurized dispensers: Determination of delivery rate.</i> Gives guidance on the determination of the delivery rate of insecticidal oil-based space sprays.
SANS 5585:2003 (Ed. 2.1)	<i>Pesticides – Sieving of wettable powders. Consolidated edition incorporating amendment No. 1.</i> Amended to change the reference for the nominal aperture size of 45 µm, and to update reference.
SANS 5859:2003 (SABS SM 859:1993)	<i>Pesticides – Biological efficacy of soil insecticides.</i> Describes a method for determining the biological efficacy of soil insecticides.
SANS 6136:2003 (SABS SM 1136:1989)	<i>Pesticides – Biological evaluation of materials that release an insecticide upon heating.</i> Describes the method for conducting biological efficacy tests on materials that release insecticides on heating.
SANS 6306:2003 (Ed. 1.1)	<i>Lime tests – Autoclave expansion. Consolidated edition incorporating amendment No. 1.</i> Amended to align national standards with international standards.



Standard No. and year	Title, scope and purport
SANS 9994:2003/ ISO 9994:2002 (SABS ISO 9994:1995)	<i>Lighters – Safety specification.</i> Specifies requirements for lighters to ensure a reasonable degree of safety for normal use or reasonably foreseeable misuse of such lighters by users. Applies to all flame-producing products commonly known as cigarette lighters, cigar lighters and pipe lighters. Does not apply to matches or other flame-producing products intended solely for igniting materials other than cigarettes, cigars, and pipes.
SANS 10103:2003 (SABS 0103:1994)	<i>The measurement and rating of environmental noise with respect to land use, health, annoyance and to speech communication.</i> Covers methods and gives guidelines to assess working and living environments with respect to acoustic comfort, excellence, preservation of health, land use and with respect to possible annoyance by noise (i.e. whether complaints could be expected). It also gives a method to predict speech communication efficiency.
SANS 10139:2003 (Ed. 2.2)	<i>Fire detection and alarm systems for buildings – System design, installation and servicing. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards, to delete reference to third parties.
SANS 10209:2003 (Ed. 1.3)	<i>The design and construction of private swimming pools. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards and remove the reference to the obtainability of information on suitable species of tress.
SANS 20004:1997/ ECE R4:1997	<i>Uniform provisions concerning the approval of devices for the illumination of rear registration plates of motor vehicles (except motor cycles) and their trailers. Amendment No. 2.</i> Amended to add requirements for the approval marking, for luminance, and to add transitional provisions. <i>Amendment No. 3.</i> Amended to change the requirements for the application for approval, the incidence of light on the surface of the registration plate, and the luminous intensity values. <i>National amendment No. 1.</i> Amended to add a condition for the compulsory application of the standard to the national foreword.
SANS 20006:2003/ ECE R6:2001 (SABS ECE R6:1993)	<i>Uniform provisions concerning the approval of direction indicators for motor vehicles and their trailers.</i> Applies to the approval of direction indicators for motor vehicles and their trailers. <i>ECE amendment No. 1.</i> Amended to add requirements for the application for approval and for photometric measurements, and to change the requirements for intensity of light emitted as well as the limits for trichromatic coordinates.
SANS 50133:2003/ EN 133:2001 (SABS EN 133:1990)	<i>Respiratory protective devices – Classification.</i> Classifies respiratory protective devices (RPD) according to their basic design.
SANS 50141:2003/ EN 141:2000 (SABS EN 141:1990)	<i>Respiratory protective devices – Gas filters and combined filters – Requirements, testing, marking.</i> Specifies gas filters and combined filters for use as components in unassisted respiratory protective devices.
SANS 50144-1:2003/ EN 144-1:2000 (SABS EN 144-4:1991)	<i>Respiratory protective devices – Gas cylinder valves – Part 1: Thread connections for insert connector.</i> Applies to the connection between a gas cylinder valve and a gas cylinder for respiratory protective devices.
SANS 50149:2003/ EN 149:2001 (SABS EN 149:1991)	<i>Respiratory protective devices – Filtering half masks to protect against particles – Requirements, testing, marking.</i> Specifies minimum requirements for filtering half masks as respiratory protective devices to protect against particles except for escape purposes. <i>EN corrigendum No. 1.</i> Corrected to change the date of EN 149 in the clause entitled "Designation"; to correct the subclause on breathing resistance; to change the unit in figure 11 from "mm" to "µm"; and to delete the duplication of information for "visual inspection" in table 4.
SANS 50250:2003/ EN 250:2000 (SABS EN 250:1993)	<i>Respiratory equipment – Open-circuit self-contained compressed air diving apparatus – Requirements, testing, marking.</i> Applies to self-contained open-circuit compressed air underwater breathing apparatus and their sub-assemblies. The object of the requirements and tests is to ensure a minimum level of safe operation for apparatus down to a maximum depth of 50 m.
SANS 50353-2:2002/ EN 353-2:2002 (SABS EN 353-2:1992)	<i>Personal protective equipment against falls from a height – Guided type fall arresters including a flexible anchor line.</i> Specifies the requirements, test methods, marking, information supplied by the manufacturer and packaging for guided type fall arresters including a flexible anchor line which can be secured to an upper anchor point.
SANS 50354:2003/ EN 354:2002 (SABS EN 354:1992)	<i>Personal protective equipment against falls from a height – Lanyards.</i> Specifies the requirements, test methods, marking, information supplied by the manufacturer and packaging for non-adjustable and adjustable lanyards.
SANS 50355:2003/ EN 355:2002 (SABS EN 355:1992)	<i>Personal protective equipment against falls from a height – Energy absorbers.</i> Specifies the requirements, test methods, marking, information supplied by the manufacturer and packaging for energy absorbers.
SANS 50360:2003/ EN 360:2002 (SABS EN 360:1992)	<i>Personal protective equipment against falls from a height – Retractable type fall arresters.</i> Specifies the requirements, test methods, marking, information supplied by the manufacturer and packaging for retractable type fall arresters.
SANS 50361:2003/ EN 361:2002 (SABS EN 361:1992)	<i>Personal protective equipment against falls from a height – Full body harnesses.</i> Specifies the requirements, test methods, marking, information supplied by the manufacturer and packaging for full body harnesses.
SANS 50363:2003 EN 363:2002 (SABS EN 363:1992)	<i>Personal protective equipment against falls from a height – Fall arrest systems.</i> Specifies the terminology and the general requirements for fall arrest systems which serve as personal protective equipment against falls from a height. Also describes examples of how components or assemblies of components may be connected into a fall arrest system, which should enable the purchaser or user to assemble all components in a correct manner and to build up a fall arrest system.
SANS 50868-5:2003 (EN 868-5:1999)	<i>Packaging materials and systems for medical devices which are to be sterilized – Part 5: Heat and self-sealable pouches and reels of paper and plastic film construction – Requirements and test methods. EN corrigendum.</i> Changed to correct the length of web during heat sealing in the subclause on construction and design.

Standard No. and year	Title, scope and purport
SANS 60238:2003/ IEC 60238:2002 (Ed. 3.2)	<i>Edison screw lampholders. Consolidated edition incorporating amendment No. 2. Amended to add a definition and requirements for conditions for tests, and for construction, and to change the requirements for insulation resistance and electric strength, and for the resistance to heat, fire and tracking.</i>
SANS 60335-2-3:2003/ IEC 60335-2-3:2002 (SABS IEC 60335-2-3:1993)	<i>Household and similar electrical appliances – Safety – Part 2-3: Particular requirements for electric irons. Deals with the safety of electric dry irons and steam irons, including those with a separate water reservoir or boiler having a capacity not exceeding 5 L, for household and similar purposes, their rated voltage being not more than 250 V.</i>
SANS 60335-2-4:2003/ IEC 60335-2-4:2002 (SABS IEC 60335-2-4:1993)	<i>Household and similar electrical appliances – Safety – Part 2-4: Particular requirements for spin extractors. Deals with the safety of electric spin extractors for household and similar purposes, having a capacity not exceeding 10 kg of dry cloth and a drum peripheral speed not exceeding 50 m/s, their rated voltages being not more than 250 V for single-phase appliances and 480 V for other appliances.</i>
SANS 60335-2-5:2003/ IEC 60335-2-5:2002 (SABS IEC 60335-2-5:1992)	<i>Household and similar electrical appliances – Safety – Part 2-5: Particular requirements for electric dishwashers. Deals with the safety of electric dishwashers for household use, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances.</i>
SANS 60335-2-6:2003/ IEC 60335-2-6:2002 (SABS IEC 60335-2-6:1997)	<i>Household and similar electrical appliances – Safety – Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances. Deals with the safety of stationary electric cooking ranges, hobs, ovens and similar appliances for household use, their rated voltage being not more than 250 V for single-phase appliances connected between one phase and neutral, and 480 V for other appliances.</i>
SANS 60335-2-8:2003/ IEC 60335-2-8:2002 (SABS IEC 60335-2-8:1992)	<i>Household and similar electrical appliances – Safety – Part 2-8: Particular requirements for shavers, hair clippers and similar appliances. Deals with the safety of electric shavers, hair clippers and similar appliances intended for household and similar purposes, their rated voltage being not more than 250 V.</i>
SANS 60335-2-9:2003/ IEC 60335-2-9:2002 (SABS IEC 60335-2-9:1993)	<i>Household and similar electrical appliances – Safety – Part 2-9: Particular requirements for grills, toasters and similar portable cooking appliances. Deals with the safety of electric portable appliances for household purposes that have a cooking function such as baking, roasting and grilling, their rated voltage being not more than 250 V.</i>
SANS 60335-2-10:2003/ IEC 60335-2-10:2002 (SABS IEC 60335-2-10:1992)	<i>Household and similar electrical appliances – Safety – Part 2-10: Particular requirements for floor treatment machines and wet scrubbing machines. Deals with the safety of electric floor treatment and wet scrubbing machines intended for household and similar purposes, their rated voltage being not more than 250 V.</i>
SANS 60335-2-13:2003/ IEC 60335-2-13:2002 (SABS IEC 60335-2-13:1993)	<i>Household and similar electrical appliances – Safety – Part 2-13: Particular requirements for deep fat fryers, frying pans and similar appliances. Deals with the safety of electric deep fat fryers, frying pans and other appliances in which oil is used for cooking, and intended for household use only, their rated voltage being not more than 250 V.</i>
SANS 60335-2-14:2003/ IEC 60335-2-14:2002 (SABS IEC 60335-2-14:1994)	<i>Household and similar electrical appliances – Safety – Part 2-14: Particular requirements for kitchen machines. Deals with the safety of electric kitchen machines for household and similar purposes, their rated voltage being not more than 250 V. Examples of these appliances are bean slicers, blenders, can openers, citrus-fruit squeezers, egg beaters, food mixers, food processors, graters, ice-cream machines, knife sharpeners, knives, shredders, slicing machines, etc.</i>
SANS 60335-2-15:2003/ IEC 60335-2-15:2002 (SABS IEC 60335-2-15:1995)	<i>Household and similar electrical appliances – Safety – Part 2-15: Particular requirements for appliances for heating liquids. Deals with the safety of electrical appliances for heating liquids for household and similar purposes, their rated voltage being not more than 250 V. Applies inter alia to kettles, coffee-makers, egg boilers, milk heaters, feeding bottle heaters, pressure cookers, cooking pans, slow cookers, yoghurt-makers, steam cookers, wash boilers.</i>
SANS 60335-2-17:2003/ IEC 60335-2-17:2002 (SABS IEC 60335-2-17:1998)	<i>Household and similar electrical appliances – Safety – Part 2-17: Particular requirements for blankets, pads and similar flexible heating appliances. Deals with the safety of electric blankets, pads and other flexible appliances that heat the bed or human body, for household and similar purposes, their rated voltage being not more than 250 V. Also applies to control units supplied with the appliance.</i>
SANS 60335-2-24:2003/ IEC 60335-2-24:2002 (SABS IEC 60335-2-24:2000)	<i>Household and similar electrical appliances – Safety – Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice-makers. Deals with the safety of the following appliances, their rated voltage being not more than 250 V for single-phase appliances, 480 V for other appliances and 24 V d.c. for appliances when battery operated: refrigerating appliances for household and similar use; ice-makers incorporating a motor-compressor and ice-makers intended to be incorporated in frozen food storage compartments and refrigerating appliances and ice-makers for use in camping, touring caravans and boats for leisure purposes. Also deals with the safety of ice-cream appliances intended for household use.</i>
SANS 60335-2-27:2003/ IEC 60335-2-27:2002 (SABS IEC 60335-2-27:1995)	<i>Household and similar electrical appliances – Safety – Part 2-27: Particular requirements for appliances for skin exposure to ultraviolet and infrared radiation. Deals with the safety of electrical appliances incorporating emitters for exposing the skin to ultraviolet and infrared radiation, for household and similar use, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances.</i>
SANS 60335-2-30:2003/ IEC 60335-2-30:2002 (SABS IEC 60335-2-30:1996)	<i>Household and similar electrical appliances – Safety – Part 2-30: Particular requirements for room heaters. Deals with the safety of electric room heaters for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances.</i>

Standard No. and year	Title, scope and purport
SANS 60335-2-32:2003/ IEC 60335-2-32:2002 (SABS IEC 60335-2-32:1993)	<i>Household and similar electrical appliances – Safety – Part 2-32: Particular requirements for massage appliances.</i> Deals with the safety of electric massage appliances for household and similar purposes, their rated voltage being not more than 250 V for single phase appliances and 480 V for other appliances.
SANS 60335-2-35:2003/ IEC 60335-2-35:2002 (SABS IEC 60335-2-35:1997)	<i>Household and similar electrical appliances – Safety – Part 2-35: Particular requirements for instantaneous water heaters.</i> Deals with the safety of electric instantaneous water heaters for household and similar purposes and intended for heating water to below boiling temperature, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances.
SANS 60335-2-36:2003/ IEC 60335-2-36:2002 (SABS IEC 60335-2-36:2000)	<i>Household and similar electrical appliances – Safety – Part 2-36: Particular requirements for commercial electric cooking ranges, ovens, hobs and hob elements.</i> Deals with the safety of electrically operated commercial cooking and baking ranges, ovens, hobs, hob elements and similar appliances not intended for household use, their rated voltage being not more than 250 V for single-phase appliances connected between one phase and neutral and 480 V for other appliances.
SANS 60335-2-37:2003/ IEC 60335-2-37:2002 (SABS IEC 60335-2-37:2000)	<i>Household and similar electrical appliances – Safety – Part 2-37: Particular requirements for commercial electric deep fat fryers.</i> Deals with the safety of electrically operated commercial deep fat fryers including pressurized types not intended for household use, their rated voltage being not more than 250 V for single-phase appliances connected between one phase and neutral and 480 V for other appliances.
SANS 60335-2-38:2003/ IEC 60335-2-38:2002 (SABS IEC 60335-2-38:2000)	<i>Household and similar electrical appliances – Safety – Part 2-38: Particular requirements for commercial electric griddles and griddle grills.</i> Deals with the safety of electrically operated commercial griddles and griddle grills not intended for household use, their rated voltage being not more than 250 V for single-phase appliances connected between one phase and neutral and 480 V for other appliances.
SANS 60335-2-39:2003/ IEC 60335-2-39:2002 (SABS IEC 60335-2-39:2000)	<i>Household and similar electrical appliances – Safety – Part 2-39: Particular requirements for commercial electric multi-purpose cooking pans.</i> Deals with the safety of electrically operated commercial multi-purpose cooking pans not intended for household use, their rated voltage being not more than 250 V for single-phase appliances connected between one phase and neutral and 480 V for other appliances.
SANS 60335-2-40:2003/ IEC 60335-2-40:2002 (SABS IEC 60335-2-40:1995)	<i>Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers.</i> Deals with the safety of electric heat pumps, including sanitary hot water heat pumps, air-conditioners, and dehumidifiers incorporating sealed motor-compressors, their maximum rated voltages being not more than 250 V for single-phase appliances and 600 V for all other appliances.
SANS 60335-2-41:2003/ IEC 60335-2-41:2002 (SABS IEC 60335-2-41:1996)	<i>Household and similar electrical appliances – Safety – Part 2-41: Particular requirements for pumps.</i> Deals with the safety of electric pumps for liquids having a temperature not exceeding 90 °C, intended for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances.
SANS 60335-2-42:2003/ IEC 60335-2-42:2002 (SABS IEC 60335-2-42:2000)	<i>Household and similar electrical appliances – Safety – Part 2-42: Particular requirements for commercial electric forced convection ovens, steam cookers and steam-convection ovens.</i> Deals with the safety of electrically operated commercial forced convection ovens, steam cookers, steam-convection ovens and, exclusive of any other use, steam generators, not intended for household use, their rated voltage being not more than 250 V for single-phase appliances connected between one phase and neutral and 480 V for other appliances.
SANS 60335-2-45:2003/ IEC 60335-2-45:2002 (SABS IEC 60335-2-45:1996)	<i>Household and similar electrical appliances – Safety – Part 2-45: Particular requirements for portable heating tools and similar appliances.</i> Deals with the safety of portable electric heating tools and similar appliances, their rated voltage being not more than 250 V.
SANS 60335-2-47:2003/ IEC 60335-2-47:2002 (SABS IEC 60335-2-47:2000)	<i>Household and similar electrical appliances – Safety – Part 2-47: Particular requirements for commercial electric boiling pans.</i> Deals with the safety of electrically operated commercial boiling pans not intended for household use, their rated voltage being not more than 250 V for single-phase appliances connected between one phase and neutral, and 480 V for other appliances.
SANS 60335-2-48:2003/ IEC 60335-2-48:2002 (SABS IEC 60335-2-48:2000)	<i>Household and similar electrical appliances – Safety – Part 2-48: Particular requirements for commercial electric grillers and toasters.</i> Deals with the safety of electrically operated commercial grillers and toasters not intended for household use, their rated voltage being not more than 250 V for single-phase appliances connected between one phase and neutral, and 480 V for other appliances. Applies to rotary or continuous grillers and toasters and similar appliances intended for grilling by radiant heat such as rotisseries and salamanders.
SANS 60335-2-49:2003/ IEC 60335-2-49:2002 (SABS IEC 60335-2-49:2000)	<i>Household and similar electrical appliances – Safety – Part 2-49: Particular requirements for commercial electric hot cupboards.</i> Deals with the safety of electrically operated commercial hot cupboards not intended for household use, their rated voltage being not more than 250 V for single-phase appliances connected between one phase and neutral, and 480 V for other appliances. Applies to hot cupboards with heated tops, heated display cases, heated crockery dispensers, and heated shelves and tables.
SANS 60335-2-50:2003/ IEC 60335-2-50:2002 (SABS IEC 60335-2-50:2000)	<i>Household and similar electrical appliances – Safety – Part 2-50: Particular requirements for commercial electric bains-marie.</i> Deals with the safety of electrically operated commercial bains-marie not intended for household use, their rated voltage being not more than 250 V for single-phase appliances connected between one phase and neutral, and 480 V for other appliances. Also covers the electrical part of appliances making use of other forms of energy.

Standard No. and year	Title, scope and purport
SANS 60335-2-51:2003/ IEC 60335-2-51:2002 (SABS IEC 60335-2-51:1997)	<i>Household and similar electrical appliances – Safety – Part 2-51: Particular requirements for stationary circulation pumps for heating and service water installations.</i> Deals with the safety of electric stationary circulation pumps intended for use in heating systems or in service water systems, having a rated power input not exceeding 300 W, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. Deals with the common hazards presented by appliances that are encountered by all persons in and around the home.
SANS 60335-2-52:2003/ IEC 60335-2-52:2002 (SABS IEC 60335-2-52:1994)	<i>Household and similar electrical appliances – Safety – Part 2-52: Particular requirements for oral hygiene appliances.</i> Deals with the safety of electric oral hygiene appliances for household and similar purposes, their rated voltage being not more than 250 V.
SANS 60335-2-54:2003/ IEC 60335-2-54:2002 (SABS IEC 60335-2-54:1995)	<i>Household and similar electrical appliances – Safety – Part 2-54: Particular requirements for surface-cleaning appliances for household use employing liquids or steam.</i> Deals with the safety of electric cleaning appliances for household use that are intended for cleaning surfaces such as windows, walls and empty swimming pools by using liquid cleansing agents or steam, their rated voltage being not more than 250 V.
SANS 60335-2-56:2003/ IEC 60335-2-56:2002 (SABS IEC 60335-2-56:1997)	<i>Household and similar electrical appliances – Safety – Part 2-56: Particular requirements for projectors and similar appliances.</i> Deals with the safety of electric projectors and similar appliances for household and similar purposes, their rated voltage being not more than 250 V. Covers appliances not intended for normal household use, but which nevertheless may be a source of danger to the public, such as appliances intended for use by laymen in schools, offices, shops and similar locations.
SANS 60335-2-59:2003/ IEC 60335-2-59:2002 (SABS IEC 60335-2-59:1997)	<i>Household and similar electrical appliances – Safety – Part 2-59: Particular requirements for insect killers.</i> Deals with the safety of electric insect killers for household and similar purposes, their rated voltage being not more than 250 V.
SANS 60335-2-61:2003/ IEC 60335-2-61:2002 (SABS IEC 60335-2-61:1992)	<i>Household and similar electrical appliances – Safety – Part 2-61: Particular requirements for thermal-storage room heaters.</i> Deals with the safety of electric thermal-storage room heaters for household and similar purposes that are intended to heat the room in which they are located, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances.
SANS 60335-2-65:2003/ IEC 60335-2-65:2002 (SABS IEC 60335-2-65:1993)	<i>Household and similar electrical appliances – Safety – Part 2-65: Particular requirements for air-cleaning appliances.</i> Deals with the safety of electric air-cleaning appliances for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances.
SANS 60335-2-66:2003/ IEC 60335-2-66:2002 (SABS IEC 60335-2-66:1993)	<i>Household and similar electrical appliances – Safety – Part 2-66: Particular requirements for water-bed heaters.</i> Deals with the safety of electric water-bed heaters and their associated control units, for household and similar purposes, their rated voltage being not more than 250 V.
SANS 60335-2-69:2003/ IEC 60335-2-69:2002 (SABS IEC 60335-2-69:1997)	<i>Household and similar electrical appliances – Safety – Part 2-69: Particular requirements for wet and dry vacuum cleaners, including power brush, for industrial and commercial use.</i> Deals with electrical motor-operated vacuum cleaners and includes appliances and stationary equipment specifically designed for wet suction, dry suction, or wet and dry suction for industrial and commercial use with or without attachments, for example for suction to withdraw dust or the like from work benches and production machines, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances.
SANS 60335-2-70:2003/ IEC 60335-2-70:2002 (SABS IEC 60335-2-70:1993)	<i>Household and similar electrical appliances – Safety – Part 2-70: Particular requirements for milking machines.</i> Deals with the safety of milking machines to be used in stalls and in the open, that are designed for milking farm animals, such as cows, the rated voltage of the milking machine being not more than 250 V for single-phase operation and 480 V for other operations.
SANS 60335-2-73:2003/ IEC 60335-2-73:2002 (SABS IEC 60335-2-73:1994)	<i>Household and similar electrical appliances – Safety – Part 2-73: Particular requirements for fixed immersion heaters.</i> Deals with the safety of fixed electric immersion heaters for household and similar purposes that are intended for installation in a water tank for heating water to a temperature below its boiling point. The rated voltage is not more than 250 V for single-phase appliances and 480 V for other appliances.
SANS 60335-2-74:2003/ IEC 60335-2-74:2002 (SABS IEC 60335-2-74:1994)	<i>Household and similar electrical appliances – Safety – Part 2-74: Particular requirements for portable immersion heaters.</i> Deals with the safety of portable electric immersion heaters for household and similar purposes, their rated voltage being not more than 250 V.
SANS 60335-2-81:2003/ IEC 60335-2-81:2002 (SABS IEC 60335-2-81:1997)	<i>Household and similar electrical appliances – Safety – Part 2-81: Particular requirements for foot warmers and heating mats.</i> Deals with the safety of electric foot warmers and heating mats for household and similar purposes, their rated voltage being not more than 250 V.
SANS 60335-2-85:2003/ IEC 60335-2-85:2002 (SABS IEC 60335-2-85:1997)	<i>Household and similar electrical appliances – Safety – Part 2-85: Particular requirements for fabric steamers.</i> Deals with the safety of electric fabric steamers intended for household and similar purposes, their rated voltage being not more than 250 V. Deals with appliances not intended for normal household use, but that nevertheless may be a source of danger to the public, such as appliances intended to be used by laymen in shops. Also deals with the common hazards presented by appliances that are encountered by all persons in and around the home.

Standard No. and year	Title, scope and purport
SANS 60335-2-86:2003/ IEC 60335-2-86:2002 (SABS IEC 60335-2-86:1998)	<i>Household and similar electrical appliances – Safety – Part 2-86: Particular requirements for electric fishing machines.</i> Deals with the safety of electric fishing machines by means of which water may be electrified for the purpose of catching fish or for providing barriers to all animals living in water. The rated voltage of portable electric fishing machines is not more than 250 V and the rated voltage of fixed electric fishing machines for permanent connection to fixed wiring is not more than 1 000 V.
SANS 60335-2-88:2003/ IEC 60335-2-88:2002 (SABS IEC 60335-2-88:1997)	<i>Household and similar electrical appliances – Safety – Part 2-88: Particular requirements for humidifiers intended for use with heating, ventilation, or air-conditioning systems.</i> Deals with the safety of electric humidifiers intended for use with heating, ventilation, or air-conditioning systems in household, commercial, and light industrial applications (and may include large stand-alone commercial equipment) which operate according to the evaporative or atomization system, water-injection, steam and the like, their maximum rated voltage being not more than 250 V for single-phase appliances and 600 V for all other appliances.
SANS 60335-2-94:2003/ IEC 60335-2-94:2002 (SABS IEC 60335-2-94:1999)	<i>Household and similar electrical appliances – Safety – Part 2-94: Particular requirements for scissors type grass shears.</i> Deals with the safety of mains operated hand-held scissors type grass shears, and sickle-bar grass shears with a maximum cutting width of 200 mm designed primarily for cutting grass, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances.
SANS 60335-2-95:2003/ IEC 60335-2-95:2002 (SABS IEC 60335-2-95:1998)	<i>Household and similar electrical appliances – Safety – Part 2-95: Particular requirements for drives for vertically moving garage doors for residential use.</i> Deals with the safety of electric drives for garage doors for residential use that open and close in a vertical direction, the rated voltage of the drives being not more than 250 V for single-phase appliances and 480 V for other appliances. Also covers the hazards associated with the movement of these electrically driven garage doors.
SANS 60335-2-98:2003/ IEC 60335-2-98:2002 (SABS IEC 60335-2-98:1997)	<i>Household and similar electrical appliances – Safety – Part 2-98: Particular requirements for humidifiers.</i> Deals with the safety of electric humidifiers for household and similar use, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. Also deals with the common hazards presented by appliances that are encountered by all persons in and around the home.
SANS 60570:2003/ IEC 60570:2003 (SABS IEC 60570:1998)	<i>Electrical supply track systems for luminaires.</i> Applies to track systems with two or more poles for the connection of luminaires to the electrical supply consisting of either a system with a rated voltage not exceeding 440 V between poles (live conductors) with provision for earthing (class I) and a rated current not exceeding 16 A per conductor, or a SELV system with a rated voltage not exceeding 25 V without provision for earthing (class III) and a rated current not exceeding 25 A per conductor, or a combination of the two systems (mixed supply system) for the connection of both mains voltage luminaires (class I or II) and SELV supplied luminaires (class III) simultaneously, but in different sector openings (mains or SELV).
SANS 60598-2-3:2003/ IEC 60598-2-3:2002 (SABS IEC 60598-2-3:2001)	<i>Luminaires – Part 2-3: Particular requirements – Luminaires for road and street lighting.</i> Specifies requirements for luminaires for road, street lighting and other public outdoor lighting applications, tunnel lighting, column-integrated luminaires with a minimum total height above normal ground level of 2,5 m, and for use with electrical lighting sources on supply voltages not exceeding 1 000 V.
SANS 60670-1:2003	<i>Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 1: General requirements.</i> IEC corrigendum No. 1. Changed to correct a note on fixing arrangements.
SANS 60730-2-9:2003 (Ed. 1.1)	<i>Automatic electrical controls for household and similar use – Part 2-9: Particular requirements for temperature sensing controls.</i> Consolidated edition incorporating amendment No. 1. Amended to include non-bi-metallic single operation devices within the scope of the standard.
SANS 60745-2-5:2003/ IEC 60745-2-5:2003 (SABS IEC 60745-2-5:1993)	<i>Hand-held motor-operated electric tools – Safety – Part 2-5: Particular requirements for circular saws.</i> Deals with the safety of hand-held motor-operated or magnetically driven circular saws, the rated voltage of the saws being not more than 250 V for single-phase a.c. or d.c. saws, and 440 V for three-phase a.c. saws. Applies to all types of circular saws.
SANS 60745-2-11:2003/ IEC 60745-2-11:2003 (SABS IEC 60745-2-5:1984)	<i>Hand-held motor-operated electric tools – Safety – Part 2-11: Particular requirements for reciprocating saws (jig and sabre saws).</i> Deals with the safety of hand-held motor-operated or magnetically driven reciprocating saws, the rated voltage of the saws being not more than 250 V for single-phase a.c. or d.c. saws, and 440 V for three-phase a.c. saws. Includes jigsaws and sabre saws.
SANS 60794-2:2003/ IEC 60794-2:2002 (SABS IEC 60794-2:1989)	<i>Optical fibre cables – Part 2: Indoor cables – Sectional specification.</i> Gives requirements that apply to optical fibre cables for indoor use with applications such as transmission, telephone and data processing equipment and communication and transmission networks. Shall be read in conjunction with SANS 60794-1-1/IEC 60794-1-1 and SANS 60794-1-2/IEC 60794-1-2.
SANS 60947-5-4:2003/ IEC 60947-5-4:2002 (SABS IEC 60947-4-4:1996)	<i>Low-voltage switchgear and controlgear – Part 5-4: Control circuit devices and switching elements – Method of assessing the performance of low-energy contacts – Special tests.</i> Applies to separable contacts used in the utilization area considered, such as switching elements for control circuits. The object of this standard is to propose a method of assessing the performances of low energy contacts.
SANS 60947-7-2:2003/ IEC 60947-7-2:2002 (SABS IEC 60947-7-2:1995)	<i>Low-voltage switchgear and controlgear – Part 7-2: Ancillary equipment – Protective conductor terminal blocks for copper conductors.</i> Specifies requirements for protective conductor terminal blocks with PE function up to 120 mm <sup>2</sup> (250 kcmil) and to protective conductor terminal blocks with PEN function equal to and above 10 mm <sup>2</sup> (AWG8) with screw-type or screwless-type clamping units, primarily intended for industrial applications.



Standard No. and year	Title, scope and purport
SANS 61000-4-3:2003/ IEC 61000-4-3:2002 (Ed. 2.1)	<i>Electromagnetic compatibility (EMC) – Part 4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test. Consolidated edition incorporating amendment No. 1.</i> Applies to the immunity of electrical and electronic equipment to radiated electromagnetic energy. Establishes test levels and the required test procedures. Amended to change the field calibration procedure, to add two different field calibration methods, to change the limit of the dwell time of the AM carrier, to add a figure for the measuring set-up and to add an informative annex (annex K) on Amplifier non-linearity and an example for the calibration procedure according to 6.2 Calibration of field.
SANS 61000-4-7:2003/ IEC 61000-4-7:2002 (SABS IEC 61000-4-7:1999)	<i>Electromagnetic compatibility (EMC) – Part 4-7: Testing and measurement techniques – General guide on harmonics and interharmonics measurements and instrumentation, for power supply systems and equipment connected thereto.</i> Applicable to instrumentation intended for measuring spectral components in the frequency range up to 9 kHz which are superimposed on the fundamental of the power supply systems at 50 Hz and 60 Hz.
SANS 62104:2003/ IEC 62104:2003 (SABS IEC 62104:1999)	<i>Characteristics of DAB receivers.</i> Describes the DAB (Digital Audio Broadcasting) receiver characteristics for consumer equipment intended for terrestrial and cable reception operating in band III and L-band and for satellite reception in L-band.
SANS 62271-102:2003/ IEC 62271-102:2001	<i>High-voltage switchgear and controlgear – Part 102: Alternating current disconnectors and earthing switches. IEC corrigendum No. 1.</i> Changed to delete normative references, to add a table on the classification of disconnectors for mechanical endurance and a tolerance for the diameter of flexible conductors, and to change references to "circuit-breaker" to read "disconnector or earthing switch".

### SCHEDULE 3: CONSOLIDATION 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 61000-4-17:2003 (Ed. 1.1)	<i>Electromagnetic compatibility (EMC) Part 4-17: Testing and measurement techniques - Ripple on d.c. input power port immunity test. Consolidated edition incorporating amendment No. 1.</i> Amended to change the requirements for climatic conditions and the evaluation of test results, and to add a test report.

### 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 1473-2:1996	<i>Low-voltage switchgear and controlgear assemblies – Part 2: Busbar trunking systems</i>
SANS 1507:2001	<i>Electric cables with extruded solid dielectric insulation for fixed installations (300/500 V to 1 900/3 300 V)</i>
SANS 1584-4:1995	<i>Television transmissions – Part 4: Direct-to-home analogue satellite broadcasting</i>
SANS 6162:1989	<i>The pH value of an aqueous extract of a textile.</i>
SANS 60129:1984	<i>Alternating current disconnectors and earthing switches</i>
SANS 60420:1990	<i>High-voltage alternating current switch-fuse combinations</i>
SANS 60591:1978	<i>Sampling rules and acceptance criteria when applying statistical control methods for mechanical and electromechanical tests on insulators of ceramic material or glass for overhead lines with a nominal voltage greater than 1 000 V</i>
SANS 60874-2:1993	<i>Connectors for optical fibres and cables – Part 2: Sectional specification for fibre optic connector - Type F-SMA</i>
SANS 60874-6:1993	<i>Connectors for optical fibres and cables – Part 6: Sectional specification for fibre optic connector - Type LSA</i>
SANS 60874-7:1993	<i>Connectors for optical fibres and cables – Part 7: Sectional specification for fibre optic connector - Type FC</i>
SANS 60874-8:1993	<i>Connectors for optical fibres and cables – Part 8: Sectional specification for fibre optic connector - Type D</i>
SANS 60874-10:1992	<i>Connectors for optical fibres and cables – Part 10: Sectional specification for fibre optic connector - Type BFOC/2,5</i>
SANS 60874-14:1993	<i>Connectors for optical fibres and cables – Part 14: Sectional specification for fibre optic connector - Type SC</i>
SANS 60950:1999	<i>Safety of information technology equipment</i>

**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.