

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

No. 1163

9 December 2005

**STANDARDS ACT, 1993
STANDARDS MATTERS**

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

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

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

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

SCHEDULE 1: ISSUE OF NEW STANDARDS

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

Standard No, and year	Title, scope and purport
SANS 17:2005	<i>Glass and plastics in furniture.</i> Covers the requirements for safety glass and plastics used in the construction of furniture.
SANS 331:2005	<i>Fire extinguishing aerosol systems.</i> Specifies general and performance requirements, including installation requirements, of fire extinguishing aerosol systems.
SANS 399:2005	<i>Transportable refillable welded stainless steel cylinders for low pressure gases – Alternative design and construction.</i> Specifies the minimum requirements for the design, construction and testing during manufacture of transportable refillable welded stainless steel low pressure (60 bar test pressure and below) gas cylinders, of water capacity from 0,5 L up to and including 150 L, exposed to ambient temperatures. Allows alternative design and construction methods to those required in SANS 4706 and EN 1442.
SANS 445:2005/ ISO 15:1998	<i>Rolling bearings – Radial bearings – Boundary dimensions, general plan.</i> Lays down preferred boundary dimensions for radial bearings.
SANS 467:2005/ EN 50148:1995	<i>Electronic taximeters.</i> Applies to electronic taximeters, to be installed on public hire vehicles (taxis or cabs) which, with the aid of electronic devices, calculate and indicate the amount to be paid by the passenger of the taxi. Does not deal with performance requirements of the taximeter after installation or with the installation itself.
SANS 8443:2005/ ISO 8443:1999	<i>Rolling bearings – Radial ball bearings with flanged outer ring – Flange dimensions.</i> Lays down flange dimensions for a selection of single-row radial or angular contact groove ball bearings with flanged outer ring.
SANS 10371:2005	<i>Terms and definitions for clothing.</i> Provides a list of general terms used in clothing standards prepared by Standards South Africa. Each term is followed by a synonym (term or word that means the same) where available, the context, a definition and a drawing. It is a bridging standard that is intended to be used by uniform manufacturers.
SANS 11285:2005/ ISO 11285:2004	<i>Milk – Determination of lactulose content – Enzymatic method.</i> Provides an enzymatic method for the determination of the lactulose content of milk.
SANS 12240-3:2005/ ISO 12240-3:1998	<i>Spherical plain bearings – Part 3: Thrust spherical plain bearings.</i> Specifies dimensions and tolerances for thrust spherical plain bearings.
SANS 12240-4:2005/ ISO 12240-4:1998	<i>Spherical plain bearings – Part 4: Spherical plain bearing rod ends.</i> Specifies dimensions, tolerances and radial internal clearances for various dimension series of spherical plain bearing rod ends.
SANS 15416:2005/ ISO/IEC 15416:2000	<i>Information technology – Automatic identification and data capture techniques – Bar code print quality test specification – Linear symbols.</i> Defines the methodology for the measurement of specific attributes of bar code symbols; specifies a method to evaluate these measurements and derive an overall assessment of symbol quality, and establishes possible causes of deviation from optimum grades to assist users in taking appropriate corrective action. Applies to symbologies for which a reference decode algorithm has been defined, and which are intended to be read using linear scanning methods, but its methodology can be partially or wholly applied to other symbologies.
SANS 15417:2005/ ISO/IEC 15417:2000	<i>Information technology – Automatic identification and data capture techniques – Bar code symbology specification – Code 128.</i> Establishes technical requirements for the bar code symbology known as Code 128. It specifies Code 128 symbology characteristics, dimensions, data character encodation, decoding algorithms and the application parameters which need to be defined by users. It specifies the Symbology Identifier prefix strings for Code 128 symbols.
SANS 15420:2005/ ISO/IEC 15420:2000	<i>Information technology – Automatic identification and data capture techniques – Bar code symbology specification – EAN/UPC.</i> Describes the requirements for the EAN/UPC symbology including data character encodation, symbol formats, dimensions, test specifications, and a reference decoding algorithm.
SANS 15421:2005/ ISO/IEC 15421:2000	<i>Information technology – Automatic identification and data capture techniques – Bar code master test specifications.</i> Defines the physical and related attributes of a bar code master and quality to assist in its use. Covers all forms of bar code master, irrespective of the mode or origination of the initial image, intended for reproduction by conventional printing processes.

Standard No, and year	Title, scope and purport
SANS 15423:2005/ ISO/IEC 15423:2004	Information technology – Automatic identification and data capture techniques – Bar code scanner and decoder performance testing. Specifies the test equipment and procedures to be used to determine the performance of bar code scanning and decoding equipment. It deals with bar code scanning and decoding equipment both as integrated reading systems and as discrete units. It defines performance of the equipment in a particular configuration (e.g. a specific model) irrespective of the individual components used.
SANS 15424:2005/ ISO/IEC 15424:2000	Information technology – Automatic identification and data capture techniques – Data Carrier Identifiers (Including Symbology Identifiers). Applicable to automatic identification device communication conventions and standardizes the reporting of data carriers from barcode readers and other automatic identification equipment. Specifies a preamble message generated by the reader, and interpretable by the receiving system, indicating the bar code symbology or other origin of transmitted data, together with details of certain specified optional processing features that are associated with the data message.
SANS 15648:2005/ ISO 15648:2004	Butter – Determination of salt content – Potentiometric method. Provides a method for the determination of the salt content of all types of butter containing more than 0,1 % (mass fraction) salt.
SANS 21528-2:2005/ ISO 21528-2:2004	Microbiology of food and animal feeding stuffs – Horizontal methods for the detection and enumeration of Enterobacteriaceae – Part 2: Colony-count method. Specifies a method, without pre-enrichment, for the enumeration of Enterobacteriaceae. It is applicable to products intended for human consumption and the feeding of animals, and environmental samples in the area of food production and food handling. Enumeration is carried out by counting colonies in a solid medium after incubation at 37 °C. This technique is recommended when the number of colonies sought is expected to be more than 100 per millilitre or per gram of the test sample.
SANS 60034-25:2005/ IEC/TS 60034-25:2004	Rotating electrical machines – Part 25: Guide for the design and performance of cage induction motors specifically designed for converter supply. Describes the design features and performance characteristics of polyphase cage induction motors specifically designed for use on voltage source converter supplies up to 1 000 V. Specifies interface parameters and interactions between motor and converter, and installation guidance as part of a power drive system.
SANS 61148:2005/ IEC 61148:1992	Terminal markings for valve device stacks and assemblies and for power converter equipment. Applicable to the terminal markings for the main circuits of valve device stacks and assemblies, and of factory-assembled integrated converter equipment.
AI 61800 005/ IC TR 61800-6:2003	Adjustable speed electrical power systems – Guide for determination of types of load duty and corresponding current ratings. Provides alternative methods for specifying ratings for speed drive power drive systems. Does not cover
SANS 62310 1:2005/ IEC 62310-1:2005	Static transfer – Part 1: General and safety requirements. Concerns general and safety requirements of five standing a.c. static transfer systems (STS) intended to ensure the continuity of power to load by automatically or manually with or without interruption or several a.c. independent sources.
ETSI TR 33	Access to Public Network; Advisory Notes to Standards harmonizing terminal interface – Part 1: Generally applicable Advisory Notes – Sub-part 1: Application to sending spectral density requirements. This document is identical in content to IEC TR 021 (SANS 336) and is therefore applicable to Terminal Equipment falling within the scope of TBR 021.
SANS 103000-4-1:2005/ ETSI TR 103000-4-1:2003	Access and Terminals (AT); Analogue Access to Public Network; Advisory Notes to Standards harmonizing terminal interface – Part 4: Information arising from CEC decisions – Sub-part 1: General loop steady state requirements. Provides guidance on the application of TBR 021 (SANS 336) and is therefore applicable to Terminal Equipment falling within the scope of TBR 021 (SANS 336). Deals with changes in the loop steady state requirement arising from the Commission Decision of 26 May 2000 L135/25 [2].
SANS 300113-1:2005/ ETSI EN 300113-1:2003	Electromagnetic compatibility and Radio spectrum Matters (ERM); Land mobile service; Radio equipment intended for the transmission of data (and/or speech) using constant or non-constant envelope modulation and having an antenna connector – Part 1: Technical characteristics and methods of measurement. Covers the minimum characteristics considered necessary in order to avoid harmful interference and to make acceptable use of the available frequencies. Applies to either constant envelope modulation systems or to non-constant envelope modulation systems for use in the land mobile service, operating on radio frequencies between 30 MHz and 1 GHz, with channel separations of 12,5 kHz, 20 kHz and 25 kHz, intended for data transmission. Applies to digital and combined analogue and digital radio equipment with an internal or external antenna connector intended for the transmission of data and/or speech.
SANS 300113-2:2005/ ETSI EN 300113-2:2003	Electromagnetic compatibility and Radio spectrum Matters (ERM); Land mobile service; Radio equipment intended for the transmission of data (and/or speech) using constant or non-constant envelope modulation and having an antenna connector – Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive. Applies to either constant envelope modulation systems or to non-constant envelope modulation systems for use in the land mobile service, using the available bandwidth, operating on radio frequencies between 30 MHz and 1 GHz, with channel separations of 12,5 kHz, 20 kHz and 25 kHz, intended for data transmission. Applies to digital and combined analogue and digital radio equipment with an internal or external antenna connector intended for the transmission of data and/or speech. Applies both to equipment operating in continuous or in discontinuous mode of transmission.

Standard No. and year	Title, scope and purport
SANS 300220-3:2005/ ETSI EN 300220-3:2000	<i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD) Radio equipment to be used in the 25 MHz to 1 000 MHz frequency range with power levels ranging up to 500 mW – Part 3: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive.</i> Applies to short range device radio transmitters and receivers, i.e. transmitters in the range from 25 MHz to 1 000 MHz with power levels ranging up to 500 mW, and receivers in the range from 25 MHz to 1 000 MHz. Applies to short range devices either with a Radio Frequency (RF) output connection and/or with an integral antenna; for alarms, identification, telecommand, telemetry, etc.; applications with or without speech. Covers fixed stations, mobile stations and portable stations. Intended to cover the provisions of Article 3.2 of Directive 1999/5/EC [1] (R&TTE Directive) [1], which states that radio equipments shall be so constructed that it effectively uses the spectrum allocated to terrestrial/space radio communications and orbital resources so as to avoid harmful interference.
SANS 300633:2005/ ETSI EN 300633:2001	<i>Fixed Radio Systems; Point-to-point equipment; Low and medium capacity point-to-point digital radio systems operating in the frequency range 2,1 GHz to 2,6 GHz.</i> Specifies the minimum performance parameters for terrestrial low and medium capacity point-to-point digital fixed service relay equipment operating in the frequency range 2,1 GHz to 2,6 GHz and includes provisions relating to all environmental conditions for the chosen frequency band.
SANS 301127:2005/ ETSI EN 301127:2002	<i>Fixed Radio Systems; Point-to-point equipment; High capacity digital radio systems carrying SDH signals (up to 2 × STM-1) in frequency bands with about 30 MHz channel spacing and using co-polar arrangements or Co-Channel Dual Polarized (CCDP) operation.</i> Specifies the minimum performance parameters for a high capacity digital radio-relay system operating in frequency bands with about 30 MHz channel spacing in the 4 GHz, 6 GHz, 7 GHz, 8 GHz, 10 GHz and 15 GHz channels. The channel capacity is 1 × STM-1. This standard specifies a mode of operation that allows to transmit up to 2 × STM-1 signals at the same frequency by using both polarizations in co-channel dual polarized (CP) mode of operation with cross-polar interference canceller techniques (XPIC).
SANS 301406:2005/ ETSI EN 301406:2003	<i>Digital Enhanced Cordless Telecommunications (DECT); Harmonized EN for Digital Enhanced Cordless Telecommunications (DECT) covering essential requirements under article 3.2 of the R&TTE Directive; Generic radio.</i> Applies to terminal equipment for the Digital Enhanced Cordless Telecommunications (DECT) common interface. DECT terminal equipment consists of the following elements: Fixed Part (FP); Portable Part (PP); Cordless Terminal Adapter (CTA); Wireless Relay Station (WRS) (FP and PP combined).
SANS 301797:2005/ ETSI EN 301797:2000	<i>Electromagnetic compatibility and Radio Spectrum Matters (ERM); Harmonized EN for CT2 cordless telephone equipment covering essential requirements under article 3.2 of the R&TTE Directive.</i> Applies to CT2 cordless telephone terminal equipment, which is capable of operating in all or any part of the following frequency bands: Transmit CT2: 864,1 MHz to 868,1 MHz; Receive CT2: 864,1 MHz to 868,1 MHz.
SANS 301843-1:2005/ ETSI EN 301843-1:2004	<i>Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for marine radio equipment and services – Part 1: Common technical requirements.</i> Contains the common requirements for marine radio communication equipment and associated ancillary equipment, in respect of ElectroMagnetic Compatibility (EMC). Specifies the applicable EMC tests, the methods of measurement, the limits and the performance criteria for marine radio equipment and associated ancillary equipment.
SANS 301843-2:2005/ ETSI EN 301843-2:2004	<i>Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for marine radio equipment and services – Part 2: Specific conditions for VHF radiotelephone transmitters and receivers.</i> Covers the assessment of VHF radiotelephone transmitters and receivers for the maritime mobile service, and ancillary equipment in respect of ElectroMagnetic Compatibility (EMC). Specifies the applicable test conditions, performance assessment, and performance criteria for VHF radiotelephone transmitters and receivers for the maritime mobile service, and the associated ancillary equipment.

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 513:2005 (Ed. 3.4)	<i>Retro-reflectors (reflex reflectors). Consolidated edition incorporating amendment No. 4.</i> Amended to delete a marking requirement for the class of the retro-reflector.
SANS 550-2:2005 (Ed. 3.1)	<i>Wooden ladders – Part 2: Single and extension ladders. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 550-3:2005 (Ed. 3.1)	<i>Wooden ladders – Part 3: Trestle and extension trestle ladders. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, and to include a referenced standard under normative references.
SANS 550-4:2005 (Ed. 3.1)	<i>Wooden ladders – Part 4: Step-ladders, platform ladders and shelf ladders. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 778:2005 (Ed. 3.3)	<i>Patients' trolleys. Consolidated edition incorporating amendment No. 3.</i> Amended to delete reference to the standardization mark scheme, to delete reference to a standard sample held by the SABS, to delete reference to the South African Bureau of Standards, to update referenced standards, and to change the nominal length of straps to become the minimum length required.
SANS 787:2005 (Ed. 1.2)	<i>Ophthalmic lenses. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS to SANS.

Standard No. and year	Title, scope and purport
SANS 985:2005 (SABS 985:1979)	Polyester-and-wool uniform fabrics. Covers the requirements for seven types of dyed polyester-and-wool fabric suitable for lightweight uniforms.
SANS 1236:2005 (Ed. 1.1)	Silvered glass mirrors for general use. Consolidated edition incorporating amendment No. 1. Amended to change the definition of "acceptable", the status of the appendix on applicable standards and the marking requirements; and to update referenced standards.
SANS 1290:2005 (Ed. 1.4)	Wood-preserving mixtures of creosote and waxy oil. Consolidated edition incorporating amendment No. 4. Amended to update the definition for "acceptable", to update the reference to SANS 9001, and to include creosote that is a solution of coal tar and coal tar distillate.
SANS 1362:2005 (Ed. 2.7)	Sewing threads. Consolidated edition incorporating amendment No. 6. Amended to include a new type of polyester sewing thread, to amend the minimum resultant linear density range of ticket 36 and ticket 50 continuous-filament untextured polyester sewing threads and to include a new type of core-spun sewing thread.
SANS 1390:2005 (Ed. 1.2)	Steel fencing for private swimming pools. Consolidated edition incorporating amendment No. 2. Amended to change the definition of "acceptable" and to update referenced standards and the requirements for protective coatings.
SANS 1416:2005 (Ed. 1.3)	Alkali-resistant plaster primer (pigmented, solvent-type). Consolidated edition incorporating amendment No. 3. Amended to replace referenced SANS 685 with ISO 8336, and to delete the reference to SANS 5149.
SANS 1535:2005 (Ed. 2.2)	Glass-reinforced polyester-coated steel tanks for the underground storage of hydrocarbons and oxygenated solvents and intended for burial horizontally. Consolidated edition incorporating amendment No. 2. Amended to change the method for calculating the glass content (GC) and to update referenced standards.
SANS 1599-1:2005 (Ed. 1.3)	Cranes - Part 1: Cantilever/Slewing jib cranes. Consolidated edition incorporating amendment No. 3. Amended to update referenced standards.
SANS 1825:2005 (SABS 1825:1998)	Gas container test stations - General requirements for periodic inspection and testing of portable and transportable refillable gas containers. Specifies minimum requirements for the approval of test stations for portable and transportable refillable gas containers of water capacity 0,5 L to 3 000 L, including CO ₂ gas containers used in firefighting applications. Excludes the testing of handheld fire extinguishers with an operating pressure of less than 2 000 kPa.
SANS 1828:2005 (Ed. 1.3)	Cleaning chemicals for use in the food industry. Consolidated edition incorporating amendment No. 3. Amended to change the grade of corrosion-resistant steel used in the method of test for effect on corrosion-resistant steel and to update referenced standards.
SANS 2262:1984/ ISO 2262:1984	General purpose thimbles for use with steel wire ropes - Specification. National amendment No. 2. Amended to change the designation from SABS to SANS, with no technical changes.
SANS 3189-2:1985/ ISO 3189-2:1985	Sockets for wire ropes for general purposes - Part 2: Special requirements for sockets produced by forging or machined from the solid. National amendment No. 2. Amended to change the designation from SABS to SANS, with no technical changes.
SANS 3189-3:1985/ ISO 3189-3:1985	Sockets for wire ropes for general purposes - Part 3: Special requirements for sockets produced by casting. National amendment No. 2. Amended to change the designation from SABS to SANS, with no technical changes.
SANS 4309:2005/ ISO 4309:2004 (SABS ISO 4309:1990)	Cranes - Wire ropes - Care, maintenance, installation, examination and discard. Specifies the examination and discard criteria of wire rope applicable to cranes. The cranes may be used for hook, grabbing, magnet, ladle, excavator or stacking duties and may be operated manually, mechanically, electrically or hydraulically.
SANS 4344:2005/ ISO 4344:2004 (SABS ISO 4344:1983)	Steel wire ropes for lifts - Minimum requirements. Specifies the characteristics of steel wire ropes used for suspension purposes with passenger-carrying lifts or goods lifts, moving between vertical guides or guides inclined to an angle not exceeding 15° to the vertical.
SANS 5099:2005 (SABS SM 99:1973)	Water resistance of textile fabrics: Hydrostatic head test. Specifies the hydrostatic head test for the determination of the water resistance of textile fabrics.
SANS 5100:2005 (SABS SM 100:1973)	Water resistance - Water-repellency of fabrics permeable to air (Bundesmann test). Specifies the Bundesmann test for the determination of the water-repellency of fabrics permeable to air.
SANS 5155:1995/ ISO 5155:1995	Household refrigerating appliances - Frozen food storage cabinets and food freezers - Characteristics and test methods. National amendment No. 1. Amended to include an informative annex AA on energy labelling of refrigerating appliances.
SANS 5266:2005 (SABS SM 266:1987)	Water resistance of textile fabrics: Variable head test. Specifies a method for the determination of the water resistance of textile fabrics using a variable waterhead apparatus.
SANS 5414:2005 (SABS SM 414:1973)	Tensile strength and extension at break: modified (dumb-bell) strip method. Specifies the modified (dumbbell) strip method for the determination of tensile strength and extension at break of textile fabrics.
SANS 5452:2005 (SABS SM 452:1965)	Method of obtaining test samples of cleaning waste. Specifies a method of obtaining test samples of cleaning waste.
SANS 5488:2005 (SABS SM 488:1966)	Width of ribbons and other narrow fabrics. Specifies a method for the determination of the width of ribbons and other narrow fabrics.
SANS 5607:2005 (SABS SM 607:1974)	Creepage (of woven textile fabrics). Specifies a method for the determination of the creepage of woven textile fabrics.

Standard No. and year	Title, scope and purport
SANS 5665:2005 (SABS SM 665:1973)	<i>Resistance to creep of adhesive bonds.</i> Specifies a method for the determination of the resistance to creep of adhesive bonds between footwear materials.
SANS 5766:2005 (SABS SM 766:1981)	<i>Measurement of girth and length extended dimensions of pantyhose.</i> Specifies a method for the measurement of girth and length extended dimensions of pantyhose.
SANS 6005:2005 (SABS SM 1005:1979)	<i>Mass per unit area of effective pile above the substrate of textile floor coverings.</i> Specifies a method for the determination of the mass per unit area of effective pile above the substrate of textile floor coverings.
SANS 6043:2005 (SABS SM 1043:1981)	<i>Breaking strength in tension of wood adhesive bonds in close-joint and gap-joint test pieces.</i> Specifies a method for the determination of the breaking strength in tension of wood adhesive bonds in close-joint and gap-joint test pieces.
SANS 7251:2005/ ISO 7251:2005 (SABS ISO 7251:1993)	<i>Microbiology of food and animal feeding stuffs – Horizontal method for the detection and enumeration of presumptive Escherichia coli – Most probable number technique.</i> Gives general guidelines for the detection and enumeration of presumptive <i>Escherichia coli</i> by means of the liquid-medium culture technique and calculation of the most probable number (MPN) after incubation at 37 °C, then at 44 °C.
SANS 7371:1995/ ISO 7371:1995	<i>Household refrigerating appliances – Refrigerators with or without low-temperature compartment – Characteristics and test methods, National amendment No. 1.</i> Amended to include an informative annex AA on energy labelling of refrigerating appliances.
SANS 7593:1986/ ISO 7593:1986	<i>Chain slings assembled by methods other than welding – Grade T(8).</i> National amendment No. 2. Amended to change the designation from SABS to SANS, with no technical changes.
SANS 8187:1991/ ISO 8187:1991	<i>Household refrigerating appliances – Refrigerator-freezers – Characteristics and test methods, National amendment No. 1.</i> Amended to include an informative annex AA on energy labelling of refrigerating appliances.
SANS 8539:1986/ ISO 8539:1986	<i>Forged steel lifting components for use with grade T(8) chain.</i> National amendment No. 2. Amended to change the designation from SABS to SANS, with no technical changes.
SANS 10108:2005 (SABS 10108:2002)	<i>The classification of hazardous locations and the selection of apparatus for use in such locations.</i> Covers the classification of locations in which fires or explosions can occur owing to the presence of flammable gases, vapours, dusts, or fibrous material in the air, in order to permit the proper selection of electrical apparatus and mechanical equipment, such as compression-ignition engines, to be used in such locations. It does not cover locations that are rendered hazardous by the presence of substances that are flammable or explosive in the absence of atmospheric oxygen. It also does not cover major releases caused by catastrophic plant failures, such as the rupture of tanks, pressure vessels or pipes.
SANS 10177-1:2005 (Ed. 1.1)	<i>Fire testing of materials, components and elements used in buildings – Part 1: General introduction to the methods of test.</i> Consolidated edition incorporating amendment No. 1. Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 10177-2:2005 (Ed. 1.1)	<i>Fire testing of materials, components and elements used in buildings – Part 2: Fire resistance test for building elements.</i> Consolidated edition incorporating amendment No. 1. Amended to change the designation from SABS to SANS with no technical changes.
SANS 10177-3:2005 (Ed. 1.2)	<i>Fire testing of materials, components and elements used in buildings – Part 3: Surface fire index of finishing materials.</i> Consolidated edition incorporating amendment No. 2. Amended to change the designation from SABS to SANS, to delete reference to ASIM E286, and to delete the footnotes referring to SABS held working drawings of a furnace and filters.
SANS 10177-4:2005 (Ed. 1.3)	<i>Fire testing of materials, components and elements used in buildings – Part 4: Surface fire index of floor coverings.</i> Consolidated edition incorporating amendment No. 3. Amended to change the designation from SABS to SANS with no technical changes.
SANS 10177-5:2005 (Ed. 1.1)	<i>Fire testing of materials, components and elements used in buildings – Part 5: Non-combustibility at 750 °C of building materials.</i> Consolidated edition incorporating amendment No. 1. Amended to change the designation from SABS to SANS with no technical changes.
SANS 10177-6:2005 (Ed. 1.1)	<i>Fire testing of materials, components and elements used in buildings – Part 6: Non-combustibility at 300 °C of electrical insulation materials.</i> Consolidated edition incorporating amendment No. 1. Amended to change the designation from SABS to SANS with no technical changes.
SANS 10177-7:2005 (Ed. 1.1)	<i>Fire testing of materials, components and elements used in buildings – Part 7: Fire test for — Uptopertap of building elements.</i> Consolidated edition incorporating amendment No. 1. Amended to change the designation from SABS to SANS with no technical changes.
SANS 10208-1:2005 (SABS 0208-1:1995)	<i>Design of structures for the mining industry – Part 1: Structures.</i> Specifies the design loads and the design procedures to be adopted in the structural design of headgear structures and components.
SANS 12240-4:2005/ ISO 12240:1998	<i>Spherical plain bearings – Part 4: Spherical plain bearing rod ends.</i> ISO technical corrigendum No. 1. Amended to change the values for r_1 and r_{11} for the diameter of 20 mm in table 3.
SANS 20003:2005/ ECE R3:2005 (SABSECE R3:1996)	<i>Uniform provisions concerning the approval of retroreflecting devices for power-driven vehicles and their trailers.</i> Applies to retro-reflecting devices used on motor vehicles.
SANS 20037:2002/ ECE R37:2001	<i>Uniform provisions concerning the approval of filament lamps for use in approved lamp units of power-driven vehicles and their trailers.</i> National amendment No. 1. Amended to add information to the national foreword that relates to the compulsory application of the standard.

Standard No. and year	Title, scope and purport
SANS 20108:1998/ ECE R108:1998	<i>Uniform provisions concerning the approval for the production of retreaded pneumatic tyres for motor vehicles and their trailers. ECE amendment No. 1.</i> Amended to change speed capability, footnote, add a speed symbol and insert a new paragraph on high speed tyres. <i>National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes, and to add information to the national foreword that relates to the compulsory application of the standard.
SANS 20109:1998/ ECE R109:1998	<i>Uniform provisions concerning the approval for the production of retreaded pneumatic tyres for commercial vehicles and their trailers. ECE amendment No. 1.</i> Amended to add a footnote to the markings clause. <i>ECE corrigendum to ECE amendment No. 1.</i> Amended the word "approved" to read "manufactured". <i>ECE amendment No. 2.</i> Amended to change annex 1 to annex 9. <i>National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes, and to add information to the national foreword that relates to the compulsory application of the standard.
SANS 60432-3:2005 (Ed. 1.1)	<i>Incandescent lamps - Safety specifications - Part 3: Tungsten-halogen lamps (non-vehicle). Consolidated edition incorporating IEC amendment No. 1.</i> Amended to change marking requirements, requirements for gas pressure of low-pressure self-shielded extra low voltage lamps and the method of testing the gas-pressure in annex B; to add a symbol in annex A and information for luminaire design in annex C.
SANS 61000-6-1:2005/ IEC 61000-6-1:2005 (SABS IEC 61000-6-1:1997)	<i>Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity for residential, commercial and light-industrial environments.</i> Applies to electrical and electronic apparatus intended for use in residential, commercial and light-industrial environments for which no dedicated product or product-family immunity standard exists.
SANS 61148:2005/ IEC 61148:1992	<i>Terminal markings for valve device stacks and assemblies and for power convertor equipment. IEC corrigendum No. 1.</i> Corrected to change the drawings for the indirect (or direct) a.c. convertor and the bridge connection.
SANS 61427:2005/ IEC 61427:2005 (SABS IEC 61427:1999)	<i>Secondary cells and batteries for photovoltaic energy systems (PVES) - General requirements and methods of test. Specifies general information relating to the requirements of the secondary batteries used in photovoltaic energy systems (PVES) and to the typical methods of test for the verification of battery performances.</i>
SANS 61549:2005 (Ed. 1.1)	<i>Miscellaneous lamps. Consolidated edition incorporating IEC amendment No. 1.</i> Amended to replace data sheets.
SANS 61746:2005/ IEC 61746:2005 (SANS IEC 61746:2003)	<i>Calibration of optical time domain reflectometers (OTDR).</i> Provides procedures for calibrating single-mode optical time domain reflectometers (OTDR). It only covers OTDR measurement errors and uncertainties.

SCHEDULE 3: CANCELLATION OF STANDARDS

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

Standard No. and year	Title
SANS 685:2002	<i>Fibre-cement sheets (flat and profiled)</i>
SANS 1122:1976	<i>Mobile homes</i>
SANS 1560:1992	<i>Corrugated fibreboard boxes for dangerous goods</i>
SANS 5552:1997	<i>Meat and meat products - Detection and enumeration of Enterobacteriaceae without resuscitation - MPN technique and colony-count technique</i>
SANS 7402:1993	<i>Microbiology - General guidance for the enumeration of Enterobacteriaceae without resuscitation - MPN technique and colony-count technique</i>
SANS 10044-4:1983	<i>Welding - Part 4: The fusion welding of steel (including stainless steel): Tests for the approval of welders working to approved welding procedures</i>
SANS 10130:1976	<i>Mobile home parks</i>
SANS 10229:1996	<i>Packaging of dangerous goods for road and rail transportation in South Africa</i>
SANS 50136-10:1992	<i>Respiratory protective devices - Full-face masks for special use - Requirements, testing marking</i>

SCHEDULE 4 ADDRESSES OF SABS OFFICES

The addresses of offices of the South African Bureau of Standards where copies of standards mentioned in this notice can be obtained, are as follows:

1. The President, South African Bureau of Standards, 1 Dr Lategan Road, Groenkloof, Private Bag X191, Pretoria 0001.
2. The Manager, Western Cape Regional Office, SABS, Liesbeek Park Way, Rosebank, PO Box 615, Rondebosch, 7701.
3. The Manager, Eastern Cape Regional Office, SABS, 30 Kipling Road, cor Diaz and Kipling Roads, Port Elizabeth, PO Box 3013, North End 6056.
4. The Manager, KwaZulu-Natal Regional Office, SABS, 15 Garth Road, Waterval Park, Durban, PO Box 30087, Mayville 4058.
5. The Control Officer, Bloemfontein Branch Office, SABS, 34 Victoria Road, Willows, Bloemfontein, PO Box 20265, Willows, 9320.