DEPARTMENT OF TRADE AND INDUSTRY
DEPARTEMENT VAN HANDEL EN NYWERHEID

No. 655 **8 July 2005**

STANDARDS ACT, 1993
STANDARDS MATTERS

Standard No. and year	Title, scope and purport
SANS 225:2005/ CISPR 252002	*Radio disturbance characteristics for the protection of receivers used on board vehicles, boats, and on devices – Limits and methods of measurement.* Contains limits and procedures for the measurement of radio disturbances in the frequency range of 150 kHz to 1 000 MHz. Applies to any electronic/electrical component intended for use in vehicles and devices.
SANS 267:2005	*Technical requirements for telex CPE terminals intended for connection to the public telex network* Specifies technical characteristics for telex terminals intended for connection to the public telex network by means of a telegraph modem for subscriber lines.
SANS 302:2005	*Non-automatic, denominated beam scales and balances subject to legal metrology control.* Specifies the metrological and technical requirements for non-automatic, undenominated beam scales and balances that are subject to metrological control in terms of legal metrology legislation.
SANS 303:2005	*Non-automatic, non-self-indicating or semi-self-indicating, ungraduated counter scales subject to legal metrology control.* Specifies the metrological and technical requirements for non-automatic, non-self-indicating or semi-self-indicating, ungraduated, vibrating counter scales that are subject to metrological control in terms of legal metrology legislation.
SANS 359:2005/ ISO 5753:1991	*Rolling bearings – Radial internal clearance.* Specifies values of radial internal clearance for radial contact groove ball bearings (except for radial insert bearings) which are given in SANS 9628, double row self-aligning ball bearings, cylindrical roller bearings, needle roller bearings and double row self-aligning roller bearings.
SANS 364:2005/ ISO 6045:1987	*Shipbuilding and marine structures – Bearings for derrick goosenecks – Assemblies and components.* Defines types of assemblies, and specifies dimensions and materials of components for derrick boom gooseneck bearings of conventional derrick design to be fitted on-board ships for cargo handling purposes. It does not apply to special types of derricks.
SANS 398-32005	*Scaffolding – Part 3: Specification for prefabricated mobile access and working towers – (Implementation of HD 1004).* Applies to the design and manufacture of mobile access and working towers made of prefabricated elements with a height from 25 m to 12,0 m (indoors) and from 2,5 m to 8,0 m (outdoors).
SANS 18162005	*Electricity supply – Quality of supply: Paver quality instruments.* Specifies minimum requirements for measuring instruments used to check the quality of power supply in an a.c. power system. Methods are prescribed for measurement of each power quality parameter. Covers two classes of measurement based on accuracy.
SANS 2001-CS1:2005	*Construction works – Part CS1: Structural steelwork.* Establishes construction requirements for structural steelwork for buildings and other structures, excluding bridges, offshore structures, mobile equipment (stackers, reclaimers, draglines, cranes, etc.), mine shaft steelwork (buntons and guides) and mining conveyances. Also establishes requirements for materials, drawings, workmanship (general, welding and erection), inspections during manufacture, testing of welders, non-destructive tests of welds and permissible deviations.
SANS 4382-1:2005/ ISO 4382-1:1991	*Plain bearings – Copper alloys – Part 1: Cast copper alloys for solid and multilayer thick-walled plain bearings.* Specifies requirements for cast copper alloys for use in solid and multilayer thick-walled plain bearings. Gives a limited selection of alloys currently available for general purposes.
SANS 4386-1:2005/ ISO 4386-1:1992	*Plain bearings – Metallic multilayer plain bearings – Part 1: Nondestructive ultrasonic testing of bond.* Specifies an ultrasonic testing method for determining bond defects between the bearing metal and backing. Describes in detail the pulse-echo method in which the probe is applied from the bearing metal side.
SANS 594920051 ISO 5949 1983	*Tool steels and bearing steels – Micrographic method for assessing the distribution of carbides using reference photomicrographs.* Specifies the micrographic method for assessing the distribution of carbides in tool and bearing steels, with C levels between 0,1 % and 1,5 % and a total content of alloy elements less than or equal to 5 %

Standard No. and year	Title, smpe and purport
SANS 6446:2005/ ISO 6446:1994	*Rubber products – Bridge bearings – Specification for rubber materials.* Specifies requirements for rubber materials used in elastomeric bridge bearings, which may be of the plain-pad or laminated type. Also specifies methods of test and describes procedures for the preparation of test pieces from finished bearings.
SANS 6703-2:2005/ ISO 6703-2:1984	*Water quality – Determination of cyanide – Part 2: Determination of easily liberatable cyanide.* Specifies three methods for the determination of easily liberatable cyanide in water. The methods are applicable to water containing less than 50 mg of easily liberatable cyanide (as cyanide ions) per litre, and less than 100 mg of total cyanide (as cyanide ions) per litre, but higher concentrations may be determined by suitable dilution of the sample.
SANS 6888-3:2005/ ISO 6888-3:2003	*Microbiology of food and animal feeding stuffs – Horizontal method for the enumeration of coagulase-positive staphylococci (staphylococcus aureus and other species) – Part 3: Detection and MPN technique for low numbers.* Specifies a horizontal method for the enumeration and detection of coagulase-positive staphylococci, using the most probable number (MPN) technique. 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.
SANS 7887:2005/ ISO 7887:1994	*Water quality – Examination and determination of colour.* Specifies three methods for the examination of the colour of water, by examination of apparent colour by visual observation, by determination of the true colour using optical apparatus, and by determination of the colour by visual comparison with hexachloroplatinate standard solutions.
SANS 8124-1:2005/ ISO 8124-1:2000	*Safety of toys – Part 1: Safety aspects related to mechanical and physical properties.* Specify acceptable criteria for structural characteristics of toys, such as shape, size, contour, spacing, as well as acceptable criteria for properties peculiar to certain categories of toys. It includes test methods for certain types of toys. Some requirements include appropriate instructions and warnings.
SANS 10295-22005	*Suspended access equipment – Part 2: Temporary suspended platforms (TSPs).* Specifies basic requirements for the inspection, testing, safe use and maintenance of temporary suspended platforms (TSPs).
SANS 10409:2005	*Design, selection and installation of geomembranes.* Provides requirements and guidance for the design, selection and installation of thermoplastics geomembranes. Also specifies quality control (QC) and quality assurance (QA) procedures.
SANS 10657:2005/ ISO/TR 106571991	*Explanatory notes on SANS 351.* Gives supplementary background information regarding the derivation of formulae and factors for static load ratings given in SANS 351.
SANS 11687-3:2005/ ISO 11687-3:1995	*Plain bearings - Pedestal plain bearings – Part 3: Centre flange bearings.* Specifies design characteristics for centre flange bearings for the size range 9 to 28, as well as design characteristics for shafts.
SANS 15446:2005/ ISO/IEC TR 15446:2004	*Information technology – Security techniques – Guide for the production of Protection Profiles and Security Targets.* Provides guidance relating to the construction of Protection profiles (PPs) and Security Targets (STs) that are intended to be compliant with ISO/IEC 15408 (the "Common Criteria"); gives suggestions on how to develop each section of a PP or ST; is supported by an annex that contains generic examples of each type of PP and ST component, and by other annexes that contain detailed worked examples. This standard is aimed primarily at those who are involved in the development of PPs and STs. However, it is also likely to be useful to evaluators of PPs and STs and to those who are responsible for monitoring PP and ST evaluation. It may also be of interest to consumers and users of PPs and STs who wish to understand what guidance the PP/ST author used, and which parts of the PP or ST are of principal interest.
SANS 19122:2005/ ISO/TR 19122:2004	*Geographic information/Geomatics – Qualification and certification of personnel.* Describes and defines objectives of the field of geographic information in terms of developing a Type 3 report which describes a system for the qualification and certification of personnel in the field of geographic information, defining the boundaries between geographic information and other related disciplines and professions, specifying technologies and tasks pertaining to geographic information, establishing skill sets and competency levels for technologists, professional staff and management in the field, researching the relationship between this initiative and other similar certification processes performed by existing professional associations, and developing a plan for the accreditation of candidate institutions and programs for the certification of individuals in the workforce.
SANS 19125-1:2005/ ISO 19125-1:2004	*Geographic information – Simple feature access – Part 1: Common architecture.* Establishes a common architecture and defines terms to use within that architecture. It standardizes names and geometric definitions for types for . ——— It does not place any requirements on how to define the geometry types in the internal schema nor does it place any requirements on when or how or who defines the geometry types.
SANS 19125-2:2005/ ISO 19125-2:2004	*Geographic information – Simple feature access – Part 2: SQL option.* Defines terms to use within the architecture of geographic information and defines a simple feature profile of SANS 19107. It also describes a set of SQL geometry types together with SQL Functions on those types. It standardizes the names and geometric definitions of the SQL types for geometry and the names, signatures and geometric definitions of the SQL functions for *geometry*.
SANS 50755-2:2005/ EN 755-21997	*Aluminium and aluminium alloys – Extruded rod/bar, tube and profilm – Part 2: Mechanical properties.* Specifies the mechanical property limits applicable to aluminium and aluminium alloy extruded rod/bar, tube and profile.
SANS 50755-7:2005/ EN 755-7:1998	*Aluminium and aluminium alloys – Extruded rod/bar, tube and profiles – Part 7: Seamless tubes, tolerances on dimensions and form.* Specifies the tolerances on dimensions and form for aluminium and aluminium alloy extruded seamless tubes with an outside diameter (OD) from 8 mm to 450 mm (round tube) or with a cross-section contained within a circumscribing circle (CD) from 10 mm to 350 mm (other than round tube), supplied in straight lengths.
SANS 60332-1-1:2005/ IEC 60332-1-1:2004	*Tests on electric and optical fibre cables under fire conditions – Part 1-1: Test for vertical flame propagation for a single insulated wire or cable – Apparatus.* Specifies the test apparatus that determines the resistance to vertical flame propagation for a single insulated conductor or cable or optical fibre cable, under fire conditions. Not applicable for small cables < 0,5 mm^2.

Standard No. and year	Title, scope and purport
SANS 60332-1-220051 IEC 60332-1-2:2004	Tests on electric and optical fibre cables under fire conditions – Part I-2: Test for vertical flame propagation for a single insulated wire or cable – Procedure for 1 kW pre-mixed flame. Specifies the procedure for testing the resistance to vertical flame propagation of a single vertical insulated conductor or cable, or optical fibre cable, under fire conditions, using 1 kW pre-mixed flame. Not applicable for small cables < 0,5 mm².
SANS 60332-1-3:2005/ IEC 60332-1-3:2004	Tests on electric and optical fibre cables under fire conditions – Part 1-3: Tat for vertical flame propagation for a single insulated wire or cable – Procedure for determination of flaming droplets/particles. Specifies the test procedure fa assessment Of falling flaming droplets when a single vertical insulated electric conductor or cable, or optical fibre cable, is subjected to fire conditions, using 1 kW premixed flame.
SANS 60332-2-1:2005/ IEC 60332-2-1:2004	Tests on electric and optical fibre cables under fire condition? – Part 2-1: Test for vertical flame propagation for a single small insdated wire or cable – Apparatus. Specifies the teat apparatus that determines the resistance to vertical flame propagation of small single insulated conductors or cables, or optical fibre cables, under fire conditions.
SANS 60332-2-2:2005/ IEC 60332-2-2:2004	Tests on electric and optical fibre cables under fire conditions – Part 2-2: Test for vertical flame propagation for a single small insulated wire or cable – Procedure for diffusion flame. Specifies the procedure for testing the resistance to vertical flame propagation for a single d insulated electric conductor or cable, or optical cable. under tinconditions, using diffusion flame.
SANS 61000-4-27:2005/ IEC 61000-4-27:2000	Electromagnetic compatibility (EMC) – Part 4-27: Testing and measurement techniques – Unbalance. immunity test. This basic EMC publication considers immunity tests for electric or electronic equipment (apparatus and system), or both, in its electromagnetic environment. Only conducted phenomena are considered, including immunity tests for equipment connected to public and industrial networks. The object of this standard is to establish a reference for evaluating the immunity of electrical and electronic equipment when subjected to unbalanced power supply voltage.
SANS 61241-0:2005/ IEC 61241-0:2004	Electrical apparatus for use in the presence of combustible dust – Part 0: General requirements. Specifies general requirements for the design, construction, testing and marking of electrical apparatus protected by any recognized safeguard technique for use in areas where combustible dust may be present in quantities that could lead to a fire or explosion hazard The application of electrical apparatus in atmospheres which may contain explosive gas as well as combustible dust, whether simultaneously or separately, requires additional protective measures.
SANS 61241-1:2005/ IEC 61241-1:2004	Electrical apparatus for use in the presence of combustible dust – Part 1: Protection by enclosures "tD". Applicable to electrical apparatus protected by enclosures and surface temperature limitation for use in areas where combustible dust may be present in quantities which could lead to a fire or explosion hazard. It also specifies the requirements for design, construction and testing of electrical apparatus.
SANS 61241-10:2005/ IEC 61241-10:2004	Electrical apparatus for use in the presence of combustible dust – Part 10: Classification of areas where combustible dusts are or may be present. Deals with the classification of areas where explosive dust or air mixtures and combustible dust layers are present, m order to permit the proper selection of equipmeat for use in such areas. The principles of this standard can also be followed when combustible fibres or flyings may cause a hazard. It is also intended to be applied where there can be a risk due to the presence of explosive dust or air mixtures or combustible dust layers under normal atmospheric conditions.
SANS 61241-14:2005/ IEC 61241-142004	Electrical apparatus for use in the presence of combustible dust – Part 14: Selection and installation. Specifies general requirements, additional to those required for basic electrical safety, for the selection of electrical apparatus and instruments and associated equipment, and for the installation of electrical apparatus to ensure safe use in areas where combustible dust may be present m quantities which could lead to a fire or explosion hazard. The application of electrical apparatus in atmospheres which may contain explosive gas as well as combustible dust, whether simultaneously or separately, requires additional protective measures.
SANS 61241-18:2005/ IEC 61241-182004	Electrical apparatus for we in the presence of combustible dust – Port 18: Protection by encapsulation "mD". Applicable to electrical apparatus protected by encapsulation type of protection "mD" and surface temperature limitation for use in areas where combustible dust may be present m quantities which could lead to a fire or explosion hazard. It also specifies requirements for design, construction and testing of electrical apparatus, parts of electrical apparatus and Ex components where the rated voltage does not exceed 10 kV. The application of electrical apparatus m atmospheres which may contain explosive gas as well as combustible dust, whether simultaneously or separately, requires additional protective measures.
SANS 61959:2005/ IEC 61959:2004	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Mechanical tests for sealed portable secondary cells and batteries. Provides test objectives, methods of teat and acceptance criteria for the mechanical behaviour of sealed portable secondary cells and batteries of different electrochemical systems (Ni-Cd, Ni-MH and Lithium) sizes and shapes (cylindrical, prismatic and button).

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 53:2005/ ISO 636:2004 (SABS ISO 636 1989)	Weldng consumables – Rods, wires and deposits for tungsten inert gas welding of non-alloy and fine-grain steels – Classification. Specifies requirements for classification of rods and wires m the as-welded condition and m the poet-weld heat-treated condition for tungsten inert gas welding of non-alloy and fine grain steels with a minimum yield strength of up to 500 MPa or a minimum tensile strength of up to 570 MPa.

Standard No. and year	Title, scope and purport
SANS 140-1:1997/ ISO 140-1:1997	*Acoustics – Measurement of sound insulation in buildings and of building elements – Part 1: Requirements for laboratory testfacilities with suppressed flanking transmission. ISO amendment No. 1. Amended* to add annex D and a bibliography.
SANS 154:2005 (Ed. 3.3)	*Electric cooking plates and surface unit heaters. Consolidated edition incorporating amendment No. 3.* Amended to change the designation of SABS standards to SANS standards, to change the definition of "acceptable", to update a referenced standard, to correct a cross reference in the notes to purchasers annex, to correct a dimension of rectangular plates in the requirement for enclosed type cooking plates, and to change the numbering of the bibliography.
SANS 22520051 CISPR 25:2002	*Radio disturbance characteristics for the protection of receivers used on board vehicles. boats, and on devices – Limits and methods of measurement. CISPR corrigendum No. 1.* Corrected to change the value of the inductance of the artificial network in 6.1.2, from 50 µH to 5 µH, and to change an incorrect limit in the French text.
SANS 559:2005 (Ed 4.4)	*Vitrified clay* sewer pipes *and fittings. Consolidated edition incorporating amendment No. 4. Amended* to change the designation from *SABS* to *SANS*, and to change the definition for "acceptable".
SANS 751:2005 (Ed. 4.2)	*Burglar-resistant safes. Consolidated edition incorporating amendment No. 2.* Amended to update referenced standards, and the defiaition of "acceptable", to change "spares" to "spare components", to remove reference to the *SABS* and the SABS certification mark, to alter the cross-cutting coefficient of 6 to a cross-cutting classification of 2, and to alter a marking requirement.
SANS '7762005 (Ed. 3.1)	*Copper alloy gate* valves – *Heavy* duty. *Consolidated edition incorporating amendment No. 1. Amended* to update referenced standards, to redefine "acceptable" and to update the marking requirements.
SANS 9492005 (Ed 2.2)	*Strongroom and vault doors. Consolidated edition incorporating amendment No. 2. Amended* to update referenced standards, and the definition of "acceptable", to change "spares" to "spare components", to remove reference to the *SABS* certification mark, to correct heading "lever locks" to read "electronic locks" (4.2.11.3.2), to alter the cross-cutting coefficient of 6 to a cross-cutting classification of 2, and to alter a marking requirement.
SANS 972-1:2005 (Ed. 2.3)	*Signs for street and property identification – Part 1: Retro-reflective signs. Consdidatededition Incorporating amendment No. 3.* Amended to correct an entry in the character spacing chart and to replace references to *SANS* 166 with *SANS* 7253, *SANS* 167 with ISO 11341, *SANS* 5147 with *SANS* 279, and ASTM G 53 with ASTM G 154a.
SANS 11082005 (Ed 1.3)	*Glass test tubes. Consolidated edition incorporating amendment No. 3. Amended* to change the designation of *SABS* standards to *SANS* standards, to change the definition for acceptable, and to convert appendix A to form part of the requirements of the standard.
SANS 1109-2:2005/ ISO 7-22000 (*SABS* ISO 1109-2:1990)	*Pip threads where pressure-tight joints are made on the threads – Part 2: Verification by means of limit gauges.* Specifies a process using limit gauges, for the validation of taper internal and external threads and parallel internal threads on piping systems components and other products, the dimensions and tolerances of which are detailed in SANS 1109-1.
SANS 1151:2005 (Ed 3.1)	*Portable rechargeable fire extinguishers – Halogenated hydrocarbon type extinguishers. Consolidated edition incorporating amendment No. 1.* Amended to update the referenced standards, to redefine "acceptable", to change a note on corrosion resistance to a requirement, to update the marking requirements, and to delete reference to the certification mark.
SANS 11742005 (Ed 2.1)	*Bains-marie and hot cupboards. Consolidated edition incorporating amendment No. 1.* Amended to change the format of the document from *SABS* to *SANS*, to update referenced *standards*, to change the sizes of the units in 7.2.2 and to delete a footnote referring to the South African Bureau of Standards.
SANS 1192:2005 (Ed 1.3)	*Laminated safety glass for vehicles. Consolidated edition incorporating amendment No. 3. Amended* to change the designation of SABS standards to *SANS* standards, and to add an appendix listing an applicable standard
SANS 11932005 (Ed. 1.3)	*Toughened safety glass for vehicles. Consolidated edition incorporating amendment No. 3.* Amended to change the designation of SABS standards to *SANS* standards, and to add an appendix listing an applicable standard.
SANS 1477-1:2005 (Ed 11)	*Pneumatic braking system connections between drawing and drawn vehicles – Part 1: Contacttype couplings. Consolidated edition incorporating amendment No. 1.* Amended to change the designation of *SABS* standards to *SANS* standards and to update referenced standards.
SANS 1477-22005 (Ed. 1.1)	*Pneumatic braking system connections between drawing and drawn vehicles – Part 2: Palm type couplings. Consolidated edition incorporating amendment No. 1. Amended* to change the designation of *SABS* standards to *SANS* standards and to update a referenced standard.
SANS 1477-3:2005 (Ed. 1.2)	*Pneumatic braking system connections between drawing and drawn which – Part 3: The arrangement of connections on vehicles, wing contact type or palm type couplings. Consolidated edition incorporating amendment No. 2.* Amended to change the designation of SABS standards to SANS standards and to update a referenced standard, with no technical changes.
SANS 1491-1:2005 (SABS 1491-1: 1989)	*Portland cement extenders – Part 1: Ground granulated blast-furnace slag.* Covers ground granulated blast-furnace slag for use as extender with portland cement.
SANS 1491-22005 (SABS 1491-21989)	*Portland cement extenders – Part 2. Fly ash.* Covas the requirements for fly ash for use with portland cement.
SANS 1491-3:2005 (*SABS* 1491-3:1989)	*Portland cement extenders – Part 3: Silica fume.* Covers the requirements for silica fume far use with portland cement.
SANS 1524-1:2005 (SABS 1524-1:2002)	*Electricity payment systems – Part 1: Prepayment meters.* Specifies characteristics of single and polyphase prepayment meters for indoor use, and requirements for meters used in reticulation subsystems that require the meter to have integrated additional protection, safety and control functionality.

Standud No. and year	Title, scope and purport
SANS 15802005 (Ed. 1.2)	*Hexagonal steel wire mesh gabions and revet mattresses. Consolidated edition incorporating amendment No. 2.* Amended to change the title *and* the standard to cover hexagonal steel wire mesh *gabions* and revet mattresses, to update normative references and the definition of "acceptable", to delete the long dimension in the figure on twisted joints for steel wire mesh (figure 1), *to* change the *test* requirements for the resistance of PVC coating to accelerated weathering, to replace the table of dimensions of wire mesh for gabion cages (table 3), to add a table of requirements for strength of connections (table 4) and extra requirements for woven steel wire mesh gabions and revet mattresses and their manufacture (4.3.6 and 4.3.7), to delete reference to the certification mark, and to update the quality verification annex (annex B).
SANS 1808-45:2005 (Ed. 1.2)	*Water supply and distribution system components – Part 45: Pipe repair clamps. Consolidated edition incorporating amendment No. 2. Amended* to update the list of parts in the foreword, to redefine "acceptable", to update referenced standards, and to remove reference to the certification mark.
SANS 18282005 (Ed. 1.2)	*Cleaning chemicals for we in the food industry. Consolidated edition incorporating amendment No. 2.* Amended to change the designation of SABS standards to SANS standards, to change one of the requirements for the effect on [redacted] steel *and* other food *contact* surfaces, to change the procedure for the method of test for effect *on* corrosion-resistant steel, and to update referenced standards.
SANS 1854:2005 (Ed 1.1)	*The design and manufacture of trestles. Consolidated edition incorporating amendment No. 1. Amended* to change the designation of *SABS* standards to *SANS* standards, to update referenced standards and to delete reference to the *SABS* certification mark.
SANS 18572005 (Ed. 1.1)	*Copper alloy gate valves – Light duty. Consolidated edition incorporating amendment No. 1.* Amended to update referenced standards, the definition of "acceptable", and marking requirements.
SANS 4063:2005/ ISO 4063:1998 (SABS ISO 4063:1990)	*Welding and allied processes – Nomenclature of processes and reference numbers.* Establishes a nomenclature, with reference numbers, for welding and allied processes.
SANS 4308-1:2005/ ISO 4308-1:2003 (SABS ISO 4308-1:1986)	*Cranes and lifting appliances – Selection of wire ropes – Part 1: General.* Specifies two methods for the selection of wire ropes to be used on lifting appliances. Establishes the minimum requirements for acceptable strength and performance levels with respect to design, application and maintenance of the lifting appliance.
SANS 5011:2005/ ISO 10523:1994 (SABS SM 11:1990)	*Water quality – Determination of pH.* Specifies a method for the determination of pH in all types of water and waste water samples in the range from pH 3 to pH 10.
SANS 51672005 (*SABS* SM 1671975)	*Paints and varnishes – Determination of resistance to cold water.* Specifies a method for the determination of resistance of a single-coat film or multi-coat system of paints or related products to the action of water by immersion. It gives an indication of the results likely to be obtained when painted articles are stored under conditions where prolonged condensation but not an extremely corrosive atmosphere may be produced. It is not intended to reproduce any particular condition of condensation.
SANS 5411:2005 (*SABS* SM 411:1974)	*Flex cracking of coated textile fabrics.* Specifies a method for the determination of the flex cracking of coated textile *fabrics* in both the warp and weft direction.
SANS 6940:2005/ ISO 6940:2004 (*SABS* ISO 6940: 1984)	*Textile fabrics – Burning behaviour – Determination of ease of ignition of vertically oriented specimens.* Specifies a method for the measurement of ease of ignition of vertically *oriented* textile fabrics and industrial products in the form of *single or* multi-component fabrics (coated, quilted, multi layered, sandwich constructions, and similar combinations), when subjected to a small, defined flame.
SANS 7816-4:2005/ ISO/IEC 7816-4:2005 (*SABS* ISO/IEC 7816-4: 1995)	data in the card, as seen at the interface when *processing commands*, access methods to files and data in the *card*; a security architecture defining access rights to files and data in the *card*; means *and* mechanisms for identifying and *addressing* applications in the card; methods for secure messaging; access methods to the algorithms processed by the *card* It does not describe these algorithms. It does not cover the internal implementation within the *card or* the outside world, and is *independent from the physical interface technology.* It applies to cards accessed by one or more of the following methods: contacts, close coupling, and radio frequency.
SANS 7816-5:2005/ ISO/IEC 7816-5:2004 (SABS ISO/IEC 7816-5:1994)	*Identification card – Integrated circuit cards – Part 5: Registration of application providers.* Defines how *to* use an application identifier to ascertain the presence of *or* perform the retrieval *(or* both) of an application in a *card* Shows how *to* grant the uniqueness of application identifiers through the international registration of a part of this identifier, and defines the registration procedure, the authorities in charge thereof, the availability of the register which links the registered parts of the identifiers and the relevaut application providers.
SANS 10142-1:2003 (Ed. 1.1)	*The wiring of premises – Part 1: Low-voltage installations. Amendment No. 4.* Amended to update and add normative references, to change table 4.2 in respect of circuit-breakem, conduit, switch-disconnectors, transformers and watt-hour meters, to clarify requirements for disconnection, bonding, earthing, and underfloor heating, and to change the requirements for installations in agricultural locations and at swimming pools.
SANS 10162-1:2005 (SABS 0162-1:1993)	*The structural use of steel – Part 1: Limit-state design of hot-rolled steelwork.* Covers rules and requirements for the design, fabrication and *erection* of steel structures where the design is based on limit states. The *structural* members and frames consist primarily of hot-rolled structural steel components, and include the detail parts, welds, bolts, fasteners and other items required in fabrication and erection. It also applies to structural steel components in structures framed in other materials. It excludes road and rail *bridges, antenna* towers and offshore structures, except that supplementary rules or requirements may be necessary.

Standard No. and year	Title, scope and purport
SANS 10268-3:2005 (Ed. 1.1)	*Welding of thermoplastics – Welding processes – Part 3: Hot-gas welding. Consolidated edition incorporating amendment No. 1.* Amended to change the designation of SABS standards to SANS standards, to update the list of parts in the foreword, and to move the note from figure 10 to figure 9.
SANS 10268-10:2005 (Ed 1.2)	*Welding of thermoplastics – Welding processes – Part 10: Weld defects. Consolidated edition incorporating amendment No. 2.* Amended to change the designation of SABS standards to SANS standards, to update the list of parts in the foreword, to correct mathematical and other symbols in table 2 (fault 8), table 5 (fault 4), table 9 (faults 7 and 10) and table 12 (fault 6), and to add footnote numbers in table 2 and annex A.
SANS 10274:2005 (Ed 1.1)	*Th[illegible]ishing of diesel engines. Consolidated edition incorporating amendment No. 1.* Amended to change the designation of [illegible]S standards to SANS standards, to add a definition for "inspectorate authority", to delete reference to the SABS as ins[illegible]orate authority, to change the general requirements, to change the requirements for the workshop environment, per[illegible]el, documents and document control, purchasing and purchasing documents, and to delete the subclause on legal req[illegible]ments.
SANS 10322:2005 (SABS 0322:2001)	*Surface finishing of architectural aluminium.* Gives the selection and maintenance of surface finishes on exterior architectural aluminium. Is intended as a guide for specifiers, designers, installers, building owners and maintenance staff. Covers four types of surface finish, i.e. mill finishes, anodizing, thermoset powder coatings and coil coatings.
SANS 60034-11:2005/ IEC 60034-11:2004 (SABS IEC 60034-11:1978)	*Rotating electrical machines – Part 11: Thermal protection.* Specifies rules for rotating electrical machines with rated voltages less than or equal to 660 V, which are in accordance with SANS 60034-1, and which are fitted with built-in thermal protection.
SANS 60079-0:2005/ IEC 60079-0:2004 (SABS IEC 60079-0:2000)	*Electrical apparatus for explosive gas atmospheres – Part 0: General requirements.* Specifies the general requirements for construction, testing and marking of electrical apparatus and Ex components intended for use in explosive gas atmospheres. Electrical apparatus complying with this standard is intended for use in hazardous areas in which explosive gas atmospheres, caused by mixtures of air and gases, vapours or mists, exist uuder normal atmospheric conditions.
SANS 60079-10:2005/ IEC 60079-10:2002 (SABS IEC 60079-10: 1995)	*Electrical apparatus for explosive gas atmospheres – Part 10: Classification of hazardous areas.* Is concerned with the classification of hazardous areas where flammable gas or vapour risks may arise, in order to permit the proper selection and installation of apparatus for use in such hazardous areas.
SANS 60238:2005/ IEC 60238:2004 (SABS IEC 60238:2003)	*Edison screw lampholders.* Applies to lampholders with Edison thread E14, E27 and E40, designed for connection to the supply of lamps and semi-luminaires only. It also applies to switched lampholders for use in a.c. circuits only, where the working voltage does not exceed 250 V r.m.s.
SANS 60335-2-2920051 IEC 60335-2-29:2004 (Ed 3.1)	*Household and similar electrical appliances – Safety – Part 2-29: Particular requirements for battery chargers. Consolidated edition incorporating IEC amendment No. 1.* Amended to include a normative annex on battery chargers for toys.
SANS 60793-2-10:2005/ IEC 60793-2-10:2004 (SABS IEC 60793-2-10:2002)	*Optical fibres – Part 2-10: Product specifications – Sectional specification for category A1 multimode fibres.* Applicable to optical fibre types A1a, A1b, and A1d. These fibres are used or can be incorporated in information transmission equipment and optical fibre cables.
SANS 60901:2005/ IEC 60901:2001 (Ed. 2.2)	*Single-capped fluorescent lamps – Performance specifications. Consolidated edition incorporating amendment No 2. IEC amendment No. 3.* Amended to change the scope and marking requirements, and to add and replace data sheets.
SANS 60921:2005/ IEC 60921:2004 (SABS IEC 60921:1988)	*Ballasts for tubular fluorescent lamps – Performance requirements.* Specifies performance requirements for ballasts, excluding resistance types, for use on a.c. supplies up to 1000 Vat 50 Hz or 60 Hz, associated with tubular fluorescent lamps with pre-heated cathodes operated with or without a starter or starting device and having rated wattages, dimensions and characteristics as specified in SANS 60081 and SANS 60901. It applies to complete ballasts and their component parts such as resistors, transformers and capacitors.
SANS 60974-11:2005/ IEC 60974-11:2004 (SABS IEC 60974-11:1992)	*Arc welding equipment – Part 11: Electrode holders.* Applicable to electrode holders for manual metal arc welding with electrodes up to 10 mm in diameter.
SANS 61000-3-2:2005/ IEC 61000-3-2:2004 (Ed 2.2)	*Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current ≤ 16 A per phase). Consolidated edition incorporating IEC amendment No. 2.* Amended to add a nonnative reference, and replace the text uuder "Test conditions for television (TV) receivers" in order to remove reference to a clause number in one of the references mentioned.
SANS 61481:2005/ IEC 61481:2004 (Ed. 1.2)	*Live working – Portable phase comparators for use on voltages from 1 kV to 36 kV a.c. Consdidated edition incorporating IEC amendment No. 2.* Amended to replace the reference to IEC 60417 given in IEC amendment 1 with IEC 60417-DB:2002 and to change the marking requirements added by IEC amendment 1.
(SABS IEC 61800-3:1996)	electromagnetic compatibility (EMC) requirements for power drive systems (PDSs). Requirements are given for PDSs with converter input or output voltages (or both) (line voltage), up to 35 kV a.c. r.m.s. The requirements have been selected so as to ensure EMC for PDSs at residential, commercial and industrial locations.
SANS 300386:2005/ ETSI EN 300386:2003 (SABS ETSI EN 300386:2000)	*Electromagnetic compatibility and Radw spectrum Matters (ERM); Telecommunication network equipment; ElectroMagnetic Compatibility (EMC) requirements.* Covers the EMC requirements for equipment intended to be used within a telecommunications network (such as switching equipment, non-radio transmission equipment and ancillary equipment, power supply equipment, and supervisory equipment).

Standard No. and year	Title, scope and purport
SANS 301489-2:2005/ ETSI EN 301489-22002 (SABS ETSI EN 301489-2:2000)	Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 2: Specific conditions for radiopaging equipment. Covas, together with part 1, the assessment of paging equipment (receivers, transmitters and combined equipment) and associated ancillary equipment, in respect of ElectroMagnetic Compatibility (EMC).
SANS 301489-3:2005/ ETSI EN 301489-32002 (SABS ETSI EN 301489-3:2001)	Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 40 GHz. Covers, together with part 1, the assessment of Short-Range Devices (SRD) and ancillary equipment in respect of ElectroMagnetic Compatibility (EMC).
SANS 301489-4:2005/ ETSI EN 301489-4:2002 (SABSETSI EN 301489-4:2000)	Electromagnetic compatibility and Radio spectrum Matters (EM)) ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 4: Specific conditions for fixed radio links and ancillary equipment and services. Covas, together with part 1, the assessment of Fixed Radio Links and ancillary equipment in respect of ElectroMagnetic compatibility (EMC).
SANS 301489-6:2005/ ETSI EN 301489-6:2002 (SABS ETSI EN 301489-6:2000)	Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 6: Specific conditions for Digital Enhanced Cordless Telecommunications (DECT) equipment. Covas, together with part 1, the assessment of Digital Enhanced Cordless Telecommunications (DECT) equipment, and associated ancillary equipment, in respect of ElectroMagnetic Compatibility (EMC).
SANS 301489-7:2005/ ETSI EN 301489-7:2002 (SABS ETSI EN 301489-72000)	Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 7: Specific conditions for mobile and portable radio and ancillary equipment of digital cellular radio telecommunications systems (GSM and DCS). Covers, together with part 1, the assessment of radio equipment meeting Phase 1, Phase 2, and Phase 2+ GSM and DCS digital cellular mobile and portable radio equipment transmitting and receiving speech or data, or both, and operating in digital cellular radio telecommunications systems, and associated ancillary equipment in respect of ElectroMagnetic Compatibility (EMC).
SANS 301489-8:2005/ ETSI EN 301489-8:2002 (SABS ETSI EN 301489-8:2000)	Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipmeat and services – Part 8: Specific conditions for GSM base stations. Covers. together with part 1, the assessment of equipment meeting Phase 2, and Phase 2+ requirements of the GSM and DCS digital cellular radio telecommunications systems and ancillary equipment in respect of ElectroMagnetic Compatibility (EMC).
SANS 301489-1220051 ETSI EN 301489-122003 (SABS ETSI EN 301489-122000)	Electromagnetic compatibility and Radio Spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 12: Specific conditions for Very Small Aperture Terminal, Satellite Interactive Earth Stations operated in the frequency ranges between 4 GHz and 30 GHz in the Fixed Satellite Service (FSS). Covers, together with part 1, the assessment of Earth Stations (ES) operated in the frequency ranges between 4 GHz and 30 GHz in the Fixed Satellite Service (FSS) and associated ancillary equipment m respect of ElectroMagnetic Compatibility (EMC).
SANS 301489-17:2005/ ETSI EN 301489-17:2002 (SABS ETSI EN 301489-172000)	Electromagnetic compatibility and Radio spectrum Matters (EM): ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 17: Specific conditions for 2.4 GHz wideband transmission systems and 5 GHz high performance RLAN equipment. Covers, together with part 1, the assessment of the 2,4 GHz wideband transmission systems and 5 GHz high performance RLAN (including HIPERLAN 1 and 2 and other) equipment, in respect of ElectroMagnetic Compatibility (EMC).

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 868-1:1997	Flameproof compression ignition engines for use in hazardous areas in mines – Part 1: Engine subassembly
SANS 868-2:2005	Compression-ignition engine systems and machines powered by such engine systems, for use in mines and plants with explosive gas atmospheres or explosive dust atmospheres or both – Part 2: Non-hazardous locations in underground coal mines
SANS 1524-0:1997	Electricity dispensing systems – Part 0: Glossary of terms and system overview
SANS 1701-2-171996	Bearings – Part 2: Rolling bearings – Section 17: Instrument precision bearings
SANS 1701-2-23:1996	Bearings – Part 2: Roiling bearings – Section 23: Cast and pressed housings for insert bearings
SANS 1701-2-261996	Bearings – Part 2: Roiling bearings – Section 26: Radial internal clearance
SANS 1701-2-31:1996	Bearings – Part 2: Rolling bearings – Section 31: Insert bearings and eccentric locking collars
SANS 1701-2-321996	Bearings – Part 2: Rolling bearings – Section 32: Rolling bearings, linear motion, recirculating-ball, sleeve type – Metric series
SANS 1701-2-34:1996	Bearings – Part 2: Roiling bearings – Section 34: Explanatory notes on ISO 76
SANS 1701-EL1996	Bearings – Part 3: Plain bearings – Section I: Sintered bushes – Dimensions and tolerances
SANS 1701-3-4:1996	Bearings – Part 3: Plain bearings – Section 4: Copper alloy bushes
SANS 1701-3-6:1996	Bearings – Part 3: Plain bearings – Section 6: Copper alloys – Cast copper alloys for solid and multilayer thick-walled plain bearings

Standard No. and year	Title
SANS 1701-3-7:1996	Bearings – Part 3: Plain bearings – Section 7: Copper alloys – Wrought copper alloys for solid plain bearings
SANS 1701-3-14:1996	Bearings – Part 3: Plain bearings – Section 14: Aluminium alloy for solid bearings
SANS 1701-3-15:1996	Bearings – Part 3: Plain bearings – Section 15: Requirements on backings for thick-walled multilayer bearings
SANS 1701-3-161996	Bearings – Part 3: Plain bearings – Section 16: Metallic thin-walled half bearings – Determination of the sigma 0,01 *-limit
SANS 1701-3-121996	Bearings – Part 3: Plain bearings – Section 17: Thin-walled half bearings – Checking of peripheral length
SANS 1701-3-18:1996	Bearings – Part 3: Plain bearings – Section 18: Ring type thrust washers made from strip – Dimensions and tolerances
SANS 1701-3-191996	Bearings – Part 3: Plain bearings – Section 19: Pressed bimetallic half thrust washers – Features and tolerances
SANS 1701-5-9:1997	Bearings – Part 5: Pedestal bearings and structural bearings – Section 9: Shipbuilding and marine structures – Bearings for derrick goosenecks – Assemblies and components
SANS 1701-5-101997	Bearings – Part 5: Pedestal bearings and structural bearings – Section 10: Rubber products – Bridge bearings – Specification for rubber materials
SANS 1701-5-11:1997	Bearings – Parts: Pedattal bearings and structural bearings – Section 11: Shipbuilding and marine structures – Trunnion pieces for span bearings and lead block bearings
SANS 1701-5-121997	Bearings – Part 5: Pedestal bearings and structural bearings – Section 12: Plain bearings – Pedestal plain bearings – Pillow blocks
SANS 1701-5-141997	Bwings – Part 5: Pedestal bearings and structural bearings – Section 14: Plain bearings – Pedestal plain bearings – Centre flange bearings
SANS 1701-6-5:1997	Bearings – Part 6: Quality assurance and testing of bearings – Section 5: Plain bearings – Compression testing of metallic bearing materials
SANS 1701-6-6:1997	Bearings – Part 6: Quality assurance and testing of bearings – Section 6: Plain bearings – Metallic multilayer plain bearings – Non-destructive ultrasonic testing of bond
SANS 1701-6-7:1997	Bearings – Part 6: Quality assurance and testing of bearings – Section 7: Plain bearings – Metallic multilayer plain bearings – Destructive testing of bond for bearing metal layer thicknesses – 2 mm
SANS 1701-6-8:1997	Bearings – Part 6: Quality assurance and testing of bearings – Section 8: Plain bearings – Metallic multilayer plain bearings – Non-destructive penetrant testing
SANS 1701-6-9:1997	Bwings – Part 6: Quality assurance and testing of bearings – Section 9: Tool steels and bearing steels – Micrographic method for assessing the distribution of carbides using reference photomicrographs
SANS 1701-6-11:1997	Bearings – Part 6: Quality assurance and testing of bearings – Section 11: Plain bearings – Quality control techniques and inspection of geometrical and material quality characteristics
SANS 1701-6-121997	Bearings – Part 6: Quality assurance and testing of bearings – Section 12: Plain bearings – Quality characteristics – Statistical process control (SPC)
SANS 1701-6-13:1997	Bearings – Part 6: Quality assurance and testing of bearings – Section 13: Plain bearings – Quality assurance – Sample types – Definitions, applications and testing
SANS 1701-7-1:1997	Bearings – Part 7: Testing of tribological behaviour of bearings and bearing materials – Section 1: Plain bearings – Testing under conditions of hydrodynamic and mixed lubrication in test rigs – Guidelines
SANS 1847-1:1999	Glass-fibre-reinforced plastics (GRP) cisterns for the storage of water – Part 1: One-piece cisterns of nominal capacity up to and including 500 L
SANS 51981984	Colour of water
SANS 5202 1983	Chloride content of water
SANS 5204: 1981	Cyanide content of water
SANS 10044-3:1983	Welding – Part 3: The fusion welding of steel (including stainless steel): Tests for the approval of welding procedures and production welds

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.