

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

No. 995

13 October 2006

**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 Schedule 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 164-0:2006	<i>Plug and socket-outlet systems for household and similar purposes for use in South Africa – Part 0: General and safety requirements.</i> Covers specific requirements for plugs, fixed or portable socket-outlets and socket-outlet adaptors, with or without earthing contact, with a rated current not exceeding 16 A and a rated voltage not exceeding 250 V, intended for household and similar purposes either indoors or outdoors in South Africa.
SANS 164-3:2006	<i>Plug and socket-outlet systems for household and similar purposes for use in South Africa – Part 3: Conventional system, 6 A 250 V a.c.</i> Covers the rating and dimensions of the conventional 6 A 250 V a.c. plug and socket-outlet system and socket-outlet adaptors for household and similar purposes, for use in South Africa.
SANS 164-4:2006	<i>Plug and socket-outlet systems for household and similar purposes for use in South Africa – Part 4: Dedicated system, 16 A 250 V a.c.</i> Covers the rating and dimensions of the 16 A dedicated plug and socket-outlet system for the connection of equipment to a dedicated supply system having a nominal voltage of 250 V a.c. in household and similar applications in South Africa.
SANS 164-5:2006	<i>Plug and socket-outlet systems for household and similar purposes for use in South Africa – Part 5: Flat non-rewirable two-pole plugs, 2.5 A 250 V, with cord, for connection of class II equipment.</i> Covers the rating and dimensions of flat non-rewirable two-pole plugs with cords, rated at 2.5 A 250 V, for connection to class II equipment for household and similar purposes, for use in South Africa.
SANS 479:2006/ ISO 5738:2004	<i>Milk and milk products – Determination of copper content – Photometric method (Reference method).</i> Specifies a reference method for the determination of the copper content of milk and milk products. It is applicable to milk, skimmed milk and buttermilk, evaporated milk and sweetened condensed milk, whole and skimmed milk powder, cream and butter, butterfat, ice-cream, hard, semi-hard and soft cheeses of various ages, processed cheese, caseins, caseinates and coprecipitates.
SANS 7904-1:2006/ ISO 7904-1:1995	<i>Plain bearings – Symbols – Part 1: Basic symbols.</i> Defines basic symbols for use in the field of plain bearings. Additional signs are also defined for use as superscripts and subscripts.
SANS 7904-2:2006/ ISO 7904-2:1995	<i>Plain bearings – Symbols – Part 2: Applications.</i> Specifies practical applications of the general symbols laid down in SANS 7904-1 with regard to the calculations, design and testing of plain bearings.
SANS 9222-1:2006/ ISO 9222-1:1989	<i>Technical drawings – Seals for dynamic application – Part 1: General simplified representation.</i> Specifies the general simplified representation for seals.
SANS 10153:2006	<i>The labelling and marking of textiles and household textile articles.</i> Makes recommendations for direct marking on textile piece-goods of information that facilitates their correct invoicing and use subsequent to their manufacture. Includes recommendations for the labelling of each piece of textile fabric and for the marking of bulk containers in order to facilitate identification, inspection, invoicing, stock control, and any further process control during the subsequent manufacture of textile articles, for example control during the cut, make and trim of apparel. Also makes recommendations for the labelling and marking of household textile articles.
SANS 10250:2006	<i>Automotive air-conditioning system fitment and repair centres.</i> Specifies the site conditions and operating methods of automotive air-conditioning system fitment and repair centres, and addresses protection of the environment.
SANS 10366:2006	<i>Health and safety at live events – General requirements.</i> Specifies minimum requirements for a person or organization planning, organizing and staging a live event. It includes health and safety management and the identification of required control and management processes and services.
SANS 10383-2:2006	<i>Railway carriages for transporting persons with special needs – Part 2: Long-distance carriages.</i> Covers the requirements for long distance railway carriages for transporting persons with special needs.
SANS 11903:2006/ ISO 11903:1996	<i>Tools for pressing – Guide pillar mountings.</i> Specifies the dimensions and tolerances, in millimetres, of guide pillar mountings intended for mounting with or without guide bushes (that comply with ISO 9448-2, ISO 9448-3 and ISO 9448-6 to ISO 9448-11) on guide pillars (that comply with ISO 9182-2 to ISO 9182-5). Gives guidance on material and specifies the designation of guide pillar mountings in accordance with this standard.

Standard No. and year	Title, scope and purport
SANS 12043:2006/ ISO 12043:1995	<b>Rolling bearings – Single-row cylindrical roller bearings – Chamfer dimensions for loose rib and non-rib sides.</b> Specifies, for the diameter series 0, 2 and 3, the minimum chamfer dimensions for non-rib sides and loose ribs of single-row cylindrical roller bearings where these dimensions differ from the minimum chamfer dimensions specified in SANS 445.
SANS 12044:2006/ ISO 12044:1995	<b>Rolling bearings – Single-row angular contact ball bearings – Chamfer dimensions for outer ring non-thrust side.</b> Specifies the minimum chamfer dimensions for the non-thrust side of single-row angular contact ball bearing outer rings where the minimum dimensions differ from those specified in SANS 445. Applicable for bearings in the diameter series 9, 0 and 2 for contact angles up to and including 30 degrees, and in the diameter series 2 and 3 for contact angles over 30 degrees, and in the diameter series 2 and 3 for contact angles over 30 degrees.
SANS 12128:2006/ ISO 12128:2001	<b>Plain bearings – Lubrication holes, grooves and pockets – Dimensions, types, designation and their application to bearing bushes.</b> Specifies dimensions for lubrication holes, grooves and pockets for bearing bushes. In addition, it enables the user to assign the different types of lubricant feed and distribution to plain bearing bushes made of copper alloys, thermosetting plastics, thermoplastics or of artificial carbon.
SANS 12129-1:2006/ ISO 12129-1:1995	<b>Plain bearings – Part 1: Fits.</b> Specifies a system of fits applicable to metallic plain bearings used in general engineering for mean relative bearing clearances of 0,056 % up to 0,315 %.
SANS 12129-2:2006/ ISO 12129-2:1995	<b>Plain bearings – Part 2: Tolerances on form and position and surface roughness for shafts, flanges and thrust collars.</b> Specifies tolerances on form and position as well as the surface roughness of shafts, flanges and thrust collars as used in plain bearing units. Applicable to journal or thrust plain bearing units or to a combination of both, installed either horizontally or vertically. It is not applicable to crankshaft bearing units in combustion engines.
SANS 12307-1:2006/ ISO 12307-1:1994	<b>Plain bearings – Wrapped bushes – Part 1: Checking the outside diameter.</b> Specifies, in accordance with SANS 12301, the checking of the outside diameter of wrapped bushes and describes the necessary checking methods and measuring equipment.
SANS 14064-1:2006/ ISO 14064-1:2006	<b>Greenhouse gases – Part 1: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals.</b> Specifies principles and requirements at the organization level for quantification and reporting of greenhouse gas (GHG) emissions and removals. It includes requirements for the design, development, management, reporting and verification of an organization's GHG inventory.
SANS 14064-2:2006/ ISO 14064-2:2006	<b>Greenhouse gases – Part 2: Specification with guidance at the project level for quantification, monitoring and reporting of greenhouse gas emission reductions or removal enhancements.</b> Specifies principles and requirements and provides guidance at the project level for quantification, monitoring and reporting of activities intended to cause greenhouse gas (GHG) emission reductions or removal enhancements. It includes requirements for planning a GHG project, identifying and selecting GHG sources, sinks and reservoirs relevant to the project and baseline scenario, monitoring, quantifying, documenting and reporting GHG project performance and managing data quality.
SANS 14064-3:2006/ ISO 14064-3:2006	<b>Greenhouse gases – Part 3: Specification with guidance for the validation and verification of greenhouse gas assertions.</b> Specifies principles and requirements and provides guidance for those conducting or managing the validation and or verification of greenhouse gas (GHG) assertions. It can be applied to organizational or GHG project quantification, including monitoring and reporting carried out in accordance with ISO 14064-1 or ISO 14064-2. specifies requirements for selecting GHG validators/verifiers, establishing the level assurance, objectives, criteria and scope, determining the validation/verification approach, assessing GHG data, information, information systems and controls, evaluating GHG assertions and preparing validation/verification statements.
SANS 15443-1:2006/ ISO/IEC TR 15443-1:2005	<b>Information technology – Security techniques – A framework for IT security assurance – Part 1: Overview and framework</b> Describes the fundamentals of security assurance and its relation to other security concepts. The framework categorizes assurance types and a generic lifecycle model to identify the appropriate assurance types required for the deliverable with respect to the deliverable's lifecycle. It demonstrates managing security assurance throughout the deliverable's lifecycle, requiring assurance decisions to be made by several assurance authorities for the lifecycle stage relevant to their organization (i.e. developer, standards, consumer). This framework accommodates different assurance types to map into any lifecycle approach and not dictate any particular design. Advanced security assurance concepts, such as combining security assurance methods, are addressed briefly as they are to be addressed in later parts of ISO/IEC TR 15443.
SANS 15816:2006/ ISO/IEC 15816:2002	<b>Information technology – Security techniques – Security information objects for access control.</b> Gives the definition of guidelines for specifying the abstract syntax of generic and specific Security Information Objects (SIOs), and the specifications of generic and specific SIOs for Access Control. Covers only the "statics" of SIOs through syntactic definitions in terms of ASN.1 descriptions and additional semantic explanations. Does not cover the "dynamics" of SIOs (e.g. rules relating to their creation and deletion), which are a local implementation issue.
SANS 20101:2006/ ECE R101:2005	<b>Uniform provisions concerning the approval of passenger cars powered by an internal combustion engine only, or powered by a hybrid electric power train with regard to the measurement of the emission of carbon dioxide and fuel consumption and/or the measurement of electric energy consumption and electric range, and of categories M1 and N1 vehicles powered by an electric power train only with regard to the measurement of electric energy consumption and electric range.</b> Applies to the measurement of the emission of carbon dioxide (CO <sub>2</sub> ) and fuel consumption, and/or to the measurement of electric energy consumption and electric range of category M1 vehicles powered by an internal combustion engine only or hybrid electric power train, and to the measurement of electric energy consumption and electric range of categories M1 and N1 vehicles powered by an electric power train only.
SANS 53631-14:2006/ EN 13631-14:2003	<b>Explosives for civil uses – High explosives – Part 14: Determination of velocity of detonation.</b> Specifies a method for determining the velocity of detonation of an explosive. The method is applicable to explosives for civil uses in cartridge or bulk form.
SANS 54593-1:2006/ EN 14593-1:2005	<b>Respiratory protective devices – Compressed air line breathing apparatus with demand valve – Part 1: Apparatus with a full face mask – Requirements, testing, marking.</b> Specifies minimum requirements for compressed air line breathing apparatus with demand valve for use with a full face mask. Apparatus used in escape, diving, and abrasive blasting operations are not covered.

Standard No. and year	Title, scope and purport
SANS 50:1998/ ISO 562:1998 (SABS ISO 562:1998)	<i>Hard coal and coke – Determination of volatile matter. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 63:2006 (SABS 63:2001)	<i>Blankets.</i> Covers twelve types of woven blankets, eleven with a raised finish and one of a cellular type.
SANS 105-B01:1994/ ISO 105-B01:1994 (SABS ISO 105-B01:1994)	<i>Textiles – Tests for colourfastness – Part B01: Colourfastness to light: Daylight. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 105-F01:2001/ ISO 105-F01:2001 (SABS ISO 105-F01:2001)	<i>Textiles – Tests for colourfastness – Part F01: Specification for wool adjacent fabric. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 105-F03:2001/ ISO 105-F03:2001 (SABS ISO 105-F03:2001)	<i>Textiles – Tests for colourfastness – Part F03: Specification for polyamide adjacent fabric. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 105-F04:2001/ ISO 105-F04:2001 (SABS ISO 105-F04:2001)	<i>Textiles – Tests for colourfastness – Part F04: Specification for polyester adjacent fabric. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 105-F05:2001/ ISO 105-F05:2001 (SABS ISO 105-F05:2001)	<i>Textiles – Tests for colourfastness – Part F05: Specification for acrylic adjacent fabric. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 105-F07:2001/ ISO 105-F07:2001 (SABS ISO 105-F07:2001)	<i>Textiles – Tests for colourfastness – Part F07: Specification for secondary acetate adjacent fabric. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 105-X11:1994/ ISO 105-X11:1994 (SABS ISO 105-X11:1994)	<i>Textiles – Tests for colourfastness – Part X11: Colourfastness to hot pressing. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 132:1977/ ISO 1170:1977 (SABS ISO 1170:1977)	<i>Coal and coke – Calculation of analyses to different bases. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 147:1986/ ISO 1763:1986 (SABS ISO 1763:1986)	<i>Carpets – Determination of number of tufts and/or loops per unit length and per unit area. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 150:1986/ ISO 1765:1986 (SABS ISO 1765:1986)	<i>Machine-made textile floor coverings – Determination of thickness. National amendment No. 1.</i> Amended to change the designation from SABS to SANS with no technical changes.
SANS 164-1:2006 (SABS 164-1:1997)	<i>Plug and socket-outlet systems for household and similar purposes for use in South Africa – Part 1: Conventional system, 16 A 250 V a.c.</i> Covers the rating and dimensions of the conventional 16 A 250 V a.c. plug and socket-outlet system and socket-outlet adaptors for household and similar purposes, for use in South Africa.
SANS 164-2:2006 (SABS 164-2:2005)	<i>Plug and socket-outlet systems for household and similar purposes for use in South Africa – Part 2: IEC system, 16 A 250 V a.c.</i> Covers the rating and dimensions of the IEC 16 A 250 V a.c. plug and socket-outlet system and socket-outlet adaptors for household and similar purposes, for use in South Africa.
SANS 171:2006 (SABS SM 552:1972)	<i>Glassware and equipment for microbiological tests.</i> Specifies glassware and equipment for microbiological tests in cases where the items are available in different types and where the choice of type might influence the results of the tests.
SANS 179:2006 (SABS 179:2001)	<i>Mutton cloth.</i> Covers two types, each comprised of two classes of mutton cloth suitable for use in cleaning and for use in covering carcasses.
SANS 234:2006 (Ed. 2.1)	<i>Bursting strength of fabrics: Diaphragm pressure test. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 333:1996/ ISO 333:1996 (SABS ISO 333:1996)	<i>Coal – Determination of nitrogen – Semi-micro Kjeldahl method. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 334:1992/ ISO 334:1992 (SABS ISO 334:1992)	<i>Solid mineral fuels – Determination of total sulfur – Eschka method. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.

Standard No. and year	Title, scope and purport
SANS 385:2006 (SABS 385:2001)	<i>Fabric linings for footwear.</i> Covers requirements for 13 types of woven cotton fabric suitable for use as linings for footwear. Three of the types are fabrics combined by adhesive bonding.
SANS 432:2006 (SABS 432:2001)	<i>Indelible marking ink for textile fabrics.</i> Covers requirements for two types of non-corrosive indelible marking ink suitable for marking textile fabrics (other than coated fabrics) and of any colour.
SANS 609:1996/ ISO 609:1996 (SABS ISO 609:1996)	<i>Solid mineral fuels – Determination of carbon and hydrogen – High temperature combustion method. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 741:2006 (Ed. 3.3)	<i>Industrial boots (including safety boots) with direct-vulcanized soles and heels. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards; to add a definition for nu-buck side leather and an abbreviation, and to renumber the definitions clause accordingly; to add requirements for nu-buck upper material; to change the heading of the subclause on requirements for padded quarters (5.1.3.3) and to correct the reference to the subclause on coated fabric in table 4(a); to change the minimum requirement for lining components of random web fabric and of needle felt or laminate of stitch-bonded or heat-bonded fabrics (table 7); to change the designations of the types of rubber materials used for outer soles and heels; to make the use of shanks optional; to change reference from seat socks to insole socks and to change a constructional requirement; to change the requirement for defects that affect the appearance of boot bottoms (6.2.13.2); to delete reference to the SABS in the test for the determination of energy absorption of the seat region (7.4.7.1.2); to correct a reference in the test for the resistance of split leather to rubbing (7.7.2.4); to update the designation of the method referenced in ISO 4674-1; to change the breaking strength test for laces; to correct a reference in the annex on notes to purchasers; and to change the status of the annex on specific designs and styles from normative to informative.
SANS 927:2006 (SABS 927:2003)	<i>Precast concrete kerbs, edgings and channels.</i> Specifies the dimensional and physical requirements for various types of precast concrete kerbs, edgings and channels intended for use in the construction of roads and footpaths.
SANS 966-1:2006 (Ed. 3.3)	<i>Components of pressure pipe systems – Part 1: Unplasticized poly(vinyl chloride) (PVC-U) pressure pipe systems. Consolidated edition incorporating amendment No. 3.</i> Amended to clarify the wall thickness of the body of the integral pipe-end sockets and that of the sealing ring groove.
SANS 966-2:2006 (Ed. 1.4)	<i>Components of pressure pipe systems – Part 2: Modified poly(vinyl chloride) (PVC-M) pressure pipe system. Consolidated edition incorporating amendment No. 4.</i> Amended to clarify the wall thickness of the body of the integral pipe-end sockets and that of the sealing ring groove.
SANS 1051-1:2006 (Ed. 2.1)	<i>Braking – Part 1: General. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 1051-2:2006 (Ed. 2.1)	<i>Braking – Part 2: Response time of braking devices on vehicles fitted with compressed-air braking devices. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 1051-3:2006 (Ed. 2.1)	<i>Braking – Part 3: Energy sources and reservoirs. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 1051-4:2006 (Ed. 2.1)	<i>Braking – Part 4: Spring brakes. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 1051-5:2006 (Ed. 2.1)	<i>Braking – Part 5: Parking brakes: Mechanically locked brake cylinder (lock actuator) type. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 1051-6:2006 (Ed. 1.1)	<i>Braking – Part 6: Distribution of braking effort and compatibility of vehicles in combination. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 1093:2006 (Ed. 4.1)	<i>Breaking strength and elongation at break (strip method). Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 1114:2006 (Ed. 3.3)	<i>Industrial boots (including safety boots) with suck-on pre-moulded or direct-injection-moulded soles and heels. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards; to add a definition for nu-buck side leather and an abbreviation, and to renumber the definitions clause accordingly; to add requirements for nu-buck upper material; to change the heading of the subclause on requirements for padded quarters (5.1.3.3) and to correct the reference to the subclause on coated fabric in table 4(a); to correct the requirement for the pH value in table 4(b); to change the minimum requirement for lining components of random web fabric and of needle felt or laminate of stitch-bonded or heat-bonded fabrics (table 7); to change the designations of the types of rubber and plastics materials used for outer soles and heels; to make the use of shanks optional; to change reference from seat socks to insole socks and to change a constructional requirement; to change the requirement for defects that affect the appearance of boot bottoms (6.2.13.2); to delete reference to the SABS in the test for the determination of energy absorption of the seat region (7.4.7.1.2); to update the designation of the method referenced in ISO 4674-1; to change the breaking strength test for laces; to correct two references in the annex on notes to purchasers; and to change the status of the annex on specific designs and styles from normative to informative.

Standard No. and year	Title, scope and purport
SANS 1167:2006 (Ed. 3.3)	<b>Industrial shoes (including safety shoes) with stuck-on pre-moulded or direct-injection-moulded soles and heels. Consolidated edition incorporating amendment No. 3.</b> Amended to update referenced standards; to add a definition for nu-buck side leather and an abbreviation, and to renumber the definitions clause accordingly; to change a design requirement and requirements for lasts and style; to add requirements for nu-buck upper material; to change the heading of the subclause on requirements for padded quarters (5.1.2.3) and to correct the reference to the subclause on coated fabric in table 4(a); to change the minimum requirement for lining components of random web fabric and of needle felt or laminate of stitch-bonded or heat-bonded fabrics (table 7); to change the designations of the types of rubber and plastics materials used for outer soles and heels; to make the use of shanks optional; to change reference from seat socks to insole socks and to change a constructional requirement; to change the requirement for defects that affect the appearance of shoe bottoms (6.2.13.2); to delete reference to the SABS in the test for the determination of energy absorption of the seat region (7.4.7.1.2); to update the designation of the method referenced in ISO 4674-1; to change the breaking strength test for laces; to correct two references in the annex on notes to purchasers; and to change the status of the annex on specific designs and styles from normative to informative.
SANS 1168:2006 (Ed. 3.3)	<b>Industrial shoes (including safety shoes) with direct-vulcanized soles and heels. Consolidated edition incorporating amendment No. 3.</b> Amended to update referenced standards; to add a definition for nu-buck side leather and an abbreviation, and to renumber the definitions clause accordingly; to add requirements for nu-buck upper material; to change the heading of the subclause on requirements for padded quarters (5.1.2.3) and to correct the reference to the subclause on coated fabric in table 4(a); to correct the requirement for the pH value in table 4(b); to change the minimum requirement for lining components of random web fabric and of needle felt or laminate of stitch-bonded or heat-bonded fabrics (table 7); to change the designations of the types of rubber materials used for outer soles and heels; to make the use of shanks optional; to change reference from seat socks to insole socks and to change a constructional requirement; to change the requirement for defects that affect the appearance of shoe bottoms (6.2.13.2); to delete reference to the SABS in the test for the determination of energy absorption of the seat region (7.4.7.1.2); to update the designation of the method referenced in ISO 4674-1; to change the breaking strength test for laces; to correct a reference in the annex on notes to purchasers; and to change the status of the annex on specific designs and styles from normative to informative.
SANS 1324:2006 (Ed. 2.2)	<b>Upholstery fabrics. Consolidated edition incorporating amendment No. 2.</b> Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 1329-5:2006 (Ed. 1.4)	<b>Retro-reflective and fluorescent warning signs for road vehicles – Part 5: Retro-reflective chevron decals. Consolidated edition incorporating amendment No. 4.</b> Amended to update the co-ordinates for red retro-reflective surfaces, to delete the requirements and test for abrasion resistance, to add requirements and a test for resistance of coatings to scratching, to replace the reference to ISO 11341 with a reference to ISO 4892-2, to add a new table on artificial weathering test parameters, and to update referenced standards.
SANS 1356:2006 (SABS 1356:1982)	<b>Fixed electric instantaneous water heaters.</b> Covers two types of fixed electric instantaneous water heaters fitted with elements of the sheathed or bare type for heating water to a temperature below boiling point, suitable for operation on single-phase or three-phase a.c. supplies at voltages not exceeding 250 V to earth with rated loadings not exceeding 9 kW in the case of single-phase and 28 kW in the case of three-phase appliances, and intended for domestic or similar use.
SANS 1421:1998/ ISO 1421:1998 (SABS ISO 1421:1998)	<b>Rubber- or plastics-coated fabrics – Determination of tensile strength and elongation at break. National amendment No. 1.</b> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 1430:2006 (Ed. 1.1)	<b>Anchorage for restraining devices in motor vehicles. Consolidated edition incorporating amendment No. 1.</b> Amended to change the designation of SABS standards to SANS standards and to change the test load on test in configuration of a lap belt and on test for belt anchorages located wholly within the seat structure or dispersed between the vehicle structure and the seat structure.
SANS 1519-1:2006 (Ed. 2.1)	<b>Road signs – Part 1: Retro-reflective sheeting material. Consolidated edition incorporating amendment No. 1.</b> Amended to update the definition of "acceptable" and referenced standards, to update requirements through the addition of two classes of retro-reflective materials and the subclause on specular gloss, and to update requirements and methods of test for coefficients of retro-reflection, colour, luminance factor, flexibility, resistance to corrosion and resistance to temperature changes, and accelerated natural and artificial weathering tests.
SANS 1793:2006/ OIML R 126:1998(E) (SABS 1793:1998)	<b>Evidential breath analysers.</b> Applies to evidential breath analysers (hereafter referred to as EBAs) which are instruments that automatically measure the mass concentration of alcohol in exhaled breath. It defines the performance requirements of EBAs and the means and methods employed in testing them. For the purpose of this recommendation, only ethanol is considered as alcohol. It does not apply to screening devices which only detect ethanol without providing a sufficiently accurate measurement.
SANS 2060:1994/ ISO 2060:1994 (SABS ISO 2060:1994)	<b>Textiles – Yarn from packages – Determination of linear density (mass per unit length) by the skein method. National amendment No. 1.</b> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 2061:1995/ ISO 2061:1995 (SABS ISO 2061:1995)	<b>Textiles – Determination of twist in yarns – Direct counting method. National amendment No. 1.</b> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 2062:1995/ ISO 2062:1995 (SABS ISO 2062:1995)	<b>Textiles – Yarns from packages – Determination of single-end breaking force and elongation at break. National amendment No. 1.</b> Amended to change the designation from SABS to SANS, with no technical changes.

Standard No. and year	Title, scope and purport
SANS 2424:19921 ISO 2424:1992 (SABS ISO 2424:1992)	Textile floor coverings – <i>Vocabulary</i> . National amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.
SANS 3795:1989/ ISO 3795:1989 (SABS ISO 3795:1989)	Road vehicles, and tractors and machinery for agriculture and forestry – Determination of burning behaviour of interior materials. National amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.
SANS 4921:2000/ ISO 4921:2000 (SABS ISO 4921:2000)	Knitting – Basic concepts – <i>Vocabulary</i> . National amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.
SANS 5089:1977/ ISO 5089:1977 (SABS ISO 5089:1977)	Textiles – Preparation of laboratory test samples and test specimens for chemical testing. National amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.
SANS 5250:2006 (SABS SM 250:1974)	Water-soluble matter content of <i>textiles</i> . Specifies a method for the determination of the water-soluble matter content of textiles.
SANS 5448:2006 (SABS SM 448:1974)	Effect of heat on <i>appearance</i> and texture of <i>textile fabrics</i> . Specifies a method for the determination of the effect of heat on the appearance and texture of textile fabrics.
SANS 5466:2006 (Ed. 4.1)	Colour <i>fastness</i> of textiles to rubbing. Consolidated edition incorporating amendment No. 1. Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 5471:2006 (Ed. 2.1)	Pesticides – Biological evaluation of the resistance of materials to termite attack. Consolidated edition incorporating amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.
SANS 5683:2006 (Ed. 2.1)	Determination of shade depth class. Consolidated edition incorporating amendment No. 1. Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 5763:2006 (SABS SM 763:1975)	Efficacy of <i>cleaning plant</i> , equipment and utensils: swab technique. Covers the sampling and testing of plant, equipment, and utensils for efficacy of cleaning and disinfecting, using the swab technique. The method is applicable only to surfaces that have been previously cleaned and disinfected.
SANS 6007:2006 (SABS SM 1007:1979)	Balance of twist of textile threads. Specifies a method for the determination of the balance of twist of textile threads.
SANS 6183:2006 (Ed. 1.1)	Pesticides – Sieving of tablets and <i>pellets</i> . Consolidated edition incorporating amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes, and to clarify parts of the original text.
SANS 6234:2006 (Ed. 1.1)	Pesticides – Spontaneous ignition properties of solid fumigants. Consolidated edition incorporating amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.
SANS 7211-2:1984/ ISO 7211-2:1984 (SABS ISO 7211-2:1984)	Textiles – Woven fabrics – Construction – Methods of analysis – Part 2: Determination of <i>number</i> of threads per unit length. National amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.
SANS 7211-3:1984/ ISO 7211-3:1984 (SABS ISO 7211-3:1984)	Textiles – Woven fabrics – Construction – Methods of analysis – Part 3: Determination of <i>crimp of yarn in fabric</i> . National amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.
SANS 7211-4:1984/ ISO 7211-4:1984 (SABS ISO 7211-4:1984)	Textiles – Woven fabrics – Construction – Methods of analysis – Part 4: Determination of <i>twist in yarn removed from fabric</i> . National amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.
SANS 7211-5:1984/ ISO 7211-5:1984 (SABS ISO 7211-5:1984)	Textiles – Woven fabrics – Construction – Methods of analysis – Part 5: Determination of <i>linear density of yarn removed from fabric</i> . National amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.
SANS 8191-1:1987/ ISO 8191-1:1987 (SABS ISO 8191-1:1987)	Furniture – Assessment of the ignitability of upholstered furniture – Part 1: Ignition source: <i>smouldering cigarette</i> . National amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.
SANS 8191-2:1988/ ISO 8191-2:1988 (SABS ISO 8191-2:1988)	Furniture – Assessment of ignitability of <i>upholstered furniture</i> – Part 2: Ignition source: <i>match-flame</i> equivalent. National amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.
SANS 10124:2006 (Ed. 3.1)	The application of soil insecticides for the protection of buildings. Consolidated edition incorporating amendment No. 1. Amended to replace SANS 10072 with SANS 10206, to add additional wording in 9.2, to change the title, layout and numbering for 11.2, and to add a new subclause (1.1.3) on perimeter treatment with non-repellent treatments.
SANS 10142-1:2006 (Ed. 1.5)	The wiring of <i>premises</i> – Part 1: Low-voltage installations. Consolidated edition incorporating amendment No. 5. Amended to exclude caravans from the scope of the standard, and to delete annex A, to update referenced standards for socket-outlets and stove couplers, to clarify the accessibility of live parts and distribution boards, and the requirements for open wiring, busbars, prospective short-circuit current and voltage drop calculations, to add information on the applicability of the values in the current rating and voltage drop tables for cables, and conditions for conductors under screed, buried cables, and inaccessible joints, and to amend the requirements for underfloor heating, telecommunication d.c. power systems, and marking and labelling.

Standard No. and year	Title, scope and purport
SANS 10219-3:2006 (SABS 0219-3:1988)	<i>The determination of performance (at net power) of industrial internal combustion engines – Part 3: Test measurements.</i> Summarizes the common techniques of measurement of the main parameters of reciprocating internal combustion engines to ensure the required precision in measurements.
SANS 10231:2006 (SABS 0231:1997)	<i>Transport of dangerous goods – Operational requirements for road vehicles.</i> Establishes rules and procedures for the safe operation and handling of road vehicles that are used for the transport of dangerous goods in accordance with the load constraints. Procedures include requirements for the consignor, the consignee, the operator, the driver and the qualified person. Also covers procedures for the loading, transport operation and off-loading of the dangerous goods.
SANS 11166:2006 (Ed. 2.4)	<i>Textiles – Colourfastness to domestic washing procedures. Consolidated edition incorporating amendment No. 3.</i> Amended to change the designation of SABS standards to SANS standards, to update normative references and to update the title of the standards department referenced in footnote 1.
SANS 13934-1:1999/ ISO 13934-1:1999 (SABS ISO 13934-1:1999)	<i>Textiles – Tensile properties of fabrics – Part 1: Determination of maximum force and elongation at maximum force using the strip method. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 13938-1:1999/ ISO 13938-1:1999 (SABS ISO 13938-1:1999)	<i>Textiles – Bursting properties of fabrics – Part 1: Hydraulic method for determination of bursting strength and bursting distension. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 23081-1:2006/ ISO 23081-1:2006 (SABS 23081-1:2005)	<i>Information and documentation – Records management processes – Metadata for records – Part 1: Principles.</i> Covers the principles that underpin and govern records management metadata. These principles apply through time to records and their metadata, all processes that affect them, any system in which they reside and any organization that is responsible for their management.
SANS 50197-1:2000/ EN 197-1:2000 (SABS EN 197-1:2000)	<i>Cement – Part 1: Composition, specifications and conformity criteria for common cements. EN amendment No. 1.</i> Amended to cover the optional property of low heat of hydration for common cement. National amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.
SANS 51146:2006/ EN 1146:2005 (SABS EN 1146:1997)	<i>Respiratory protective devices – Self-contained open-circuit compressed air breathing apparatus incorporating a hood for escape – Requirements, testing, marking.</i> Specifies minimum requirements for compressed air escape apparatus with a hood.
SANS 60479-1:2006/ IEC TS 60479-1:2005 (SABS IEC 60479-1:1994)	<i>Effects of current on human beings and livestock – Part 1: General aspects.</i> Provides basic guidance on the effects of shock current on human beings and livestock, for use in the establishment of electrical safety requirements in order to prevent death or injury.
SANS 60947-3:2006/ IEC 60947-3:2005 (Ed. 2.2)	<i>Low-voltage switchgear and controlgear – Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units. Consolidated edition incorporating amendment No. 2.</i> Amended to update normative references, to insert an alphabetical list of definitions, to add new definitions, to change the requirements for actuator, requirements for temperature-rise limits for terminals and accessible parts, and test requirements, and to add requirements for single pole operated three pole switches.
SANS 60947-4-1:2004/ IEC 60947-4-1:2002 (Ed. 2.1)	<i>Low-voltage switchgear and controlgear – Part 4-1: Contactors and motor-starters – Electromechanical contactors and motor-starters. IEC amendment No. 2.</i> Amended to update referenced standards, to add an alphabetical index for definitions, to add new definitions, symbols and abbreviations, a new figure and three new annexes, to change the requirements for the characteristics of relays and releases, switching overvoltages, product information, material and current-carrying parts and their connections, tests, and the title of figure 3.
SANS 62051-1:2005/ IEC TR 62051-1:2004	<i>Electricity metering – Data exchange for meter reading, tariff and load control – Glossary of terms – Part 1: Terms related to data exchange with metering equipment using DLMS/COSEM. IEC corrigendum No. 1.</i> Corrected to delete the sentence "This technical report cancels and replaces IEC 62051, issued in 1999" from the foreword.

Standard No. and year	Title
SANS 1000-4:1973	<i>The production of reconditioned tyres – Part 4: Passenger car tyres</i>
SANS 1000-7:1979	<i>The production of reconditioned tyres – Part 7: Tyres reconditioned by the pre-cured tread process</i>
SANS 1119:1976	<i>Interior luminaires for fluorescent lamps</i>
SANS 1277:1980	<i>Street lighting luminaires</i>
SANS 1278:1980	<i>Interior luminaires for low pressure sodium vapour and high intensity discharge (HID) lamps</i>
SANS 1279:1980	<i>Flood lighting luminaires</i>
SANS 1487:1989	<i>Trailer axles</i>
SANS 1568:1992	<i>Motor vehicle safety: Lights and light-signalling devices installed on category L motor vehicles</i>

Standard No. and year	<i>Title</i>
SANS 1667:1996	<i>Power-supply devices that produce a low-voltage d.c. output</i>
SANS 1773:2000	<i>Replacement brake lining assemblies and replacement drum brake linings for power-driven vehicles and their trailers</i>
SANS 5329:1974	<i>Water resistance of textile fabrics: long period cone test</i>
SANS 5470:1966	<i>Resistance of proofing to water leaching</i>
SANS 5971:1978	<i>Appearance of minimum-care fabrics after repeated washing</i>
SANS 6003:1979	<i>Dimensional changes of textile floor coverings after exposure to heat and immersion in water</i>
SANS 6010:1979	<i>Dimensional changes of textile fabrics during washing (using the Cubex apparatus)</i>
SANS 10153-1:1979	<i>The labeling and marking of textiles – Part 1: Direct markings on piece goods</i>
SANS 10153-2:1979	<i>The labelling and marking of textiles – Part 2: Labelling of piece goods and marking of bulk containers</i>
SANS 10153-3:1979	<i>The labelling and marking of textiles – Part 3: Labelling and marking of household textile articles</i>
SANS 10230:1997	<i>Transportation of dangerous goods – Inspection requirements for road vehicles</i>
SANS 10345:2000	<i>The installation of safety belts or restraint systems in motor vehicles</i>