

DEPARTMENT OF TRADE AND INDUSTRY

No. 1311

12 November 2004

STANDARDS ACT, 1993
STANDARDS MATTERS

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

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

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

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

SCHEDULE 1: ISSUE OF NEW STANDARDS

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

| Standard No. and year | Title, scope and purport |
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| SANS 19:2004 | <i>The inspection, testing and examination of mobile cranes.</i> Covers provisions for inspection, testing and examination of mobile cranes in service. Does not apply to new cranes. |
| SANS 71:2004 | <i>Inspection and testing of vehicle hoists.</i> Covers provisions for the inspection and testing of existing vehicle hoists. |
| SANS 301-12:2004 | <i>Fences – Part 12: Specification for steel palisade fences.</i> Specifies requirements for steel palisade fences and gates of corrugated and angle pales for heights up to 2,4 m for general purposes and of corrugated pales for heights of 3,0 m and 3,6 m, all with posts at 2,75 m centers for security purposes. |
| SANS 1700-16-8:2004/ ISO 7415:1984 | <i>Fasteners – Part 16: Washers – Section 8: Plain washers for high-strength structural bolting, hardened and tempered.</i> Specifies hardened and tempered circular washers intended for assembly with large series hexagon high-strength structural bolts and nuts of diameters from M12 to M36 inclusive. |
| SANS 1700-16-9:2004/ ISO 7416:1984 | <i>Fasteners – Part 16: Washers – Section 9: Plain washers, chamfered, hardened, and tempered for high-strength structural bolting.</i> Specifies chamfered, hardened and tempered circular washers intended for assembly with large series hexagon high-strength structural bolts and nuts of diameters from M12 to M36 inclusive. |
| SANS 1935:2004 | <i>Automotive biodiesel fuel.</i> Specifies requirements and test methods for marketed and delivered biodiesel to be used either as automotive fuel for diesel engines at 100 % concentration, or as an extender for automotive fuel for diesel engines. At 100 % concentration it is applicable to fuel for use in diesel engine vehicles designed or subsequently adapted to run on 100 % biodiesel. |
| SANS 10389-3:2004/ CIE 150:2003 | <i>Exterior lighting – Part 3: Guide on the limitation of the effects of obtrusive light from outdoor lighting installations.</i> Sets out guidelines for assessing the environmental impacts of outdoor lighting and gives recommended limits for relevant lighting parameters to contain the obtrusive effects of outdoor lighting within tolerable levels. The guidance given is primarily applicable to new installations; however, some advice is also provided on remedial measures which may be taken for existing installations. Specifically refers to the potentially adverse effects of outdoor lighting on nearby residents (e.g. of dwellings such as houses, hotels, hospitals), users of adjacent roads (e.g. vehicle drivers, pedestrians, cyclists), sightseers and transport signalling systems (e.g. air, marine, rail), and on astronomical observations. |
| SANS 12951:2004/ ISO 12951:1999 | <i>Textile floor coverings – Determination of mass loss using the Lisson test.</i> Specifies a method of test to determine the mass loss of textile floor coverings using the Lisson Tretrad machine. |
| SANS 20036:2004/ ECE R36:2002 | <i>Uniform provisions concerning the approval of large passenger vehicles with regard to their general construction.</i> This standard specifies the requirements for general construction of single-deck rigid or articulated passenger vehicles having a capacity in excess of 22 passengers, in addition to the driver, and having an overall width exceeding 2,30 m. It does not cover the requirements specifically for the carriage of passengers with reduced mobility. |
| SANS 20052:2004/ ECE R52:2003 | <i>Uniform provisions concerning the approval of M₂ and M₃ small capacity vehicles with regard to their general construction.</i> This standard specifies the requirements for general construction of single-deck rigid vehicles of categories M ₂ and M ₃ having a capacity not exceeding 22 passengers in addition to the driver. It does not cover the requirements specifically for the carriage of passengers with reduced mobility. |
| SANS 20067:2004/ ECE R67:2000 | <i>Uniform provisions concerning:</i> i) approval of specific equipment of motor vehicles using liquefied petroleum gases in their propulsion system; ii) approval of a vehicle fitted with specific equipment for the use of liquefied petroleum gases in its propulsion system with regard to the installation of such equipment. Covers the provisions for the specific equipment of motor vehicles using liquefied petroleum gases in their propulsion system and provisions for the installation of such equipment. |

| Standard No. and year | Title, scope and purport |
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| SANS 20107:2004/ ECE R107:1998 | <i>Uniform provisions concerning the approval of double-deck large passenger vehicles with regard to their general construction.</i> Specifies the requirements for the general construction of double-deck rigid or articulated vehicles of categories M ₂ and M ₃ , having a capacity in excess of 22 passengers in addition to the driver. It does not cover the requirements specifically for the carriage of passengers with reduced mobility. |
| SANS 50081-70:2004/ EN 81-70:2003 | <i>Safety rules for the construction and installation of lifts – Particular applications for passenger and goods lifts – Part 70: Accessibility to lifts for persons including persons with disability.</i> This standard specifies the minimum requirements for the safe and independent access and use of lifts by persons, including persons with physical disability, sensory disability and intellectual disability. |
| SANS 60034-26:2004/ IEC 60034-26:2002 | <i>Rotating electrical machines – Part 26: Effects of unbalanced voltages on the performance of three-phase induction motors.</i> This standard describes the effects of unbalanced voltages on the performance of three-phase cage induction motors. |
| SANS 60335-2-102:2004/ IEC 60335-2-102:2004 | <i>Household and similar electrical appliances – Safety – Part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections.</i> Deals with the safety of gas, oil and solid-fuel burning appliances that have electrical connections, for household and similar purposes, with a rated voltage of not more than 250 V for single-phase appliances and 480 V for other appliances. |
| SANS 61643-311:2004/ IEC 61643-311:2001 | <i>Components for low-voltage surge protective devices – Part 311: Specification for gas discharge tubes (GDT).</i> Gas discharge tubes (GDTs) are used for applications up to 1 000 V a.c. or 1 500 V d.c. in communication or signalling circuits. They are defined as a gap, or series of gaps, in an enclosed discharge medium other than air. They are designed to protect apparatus or personnel, or both, from high transient voltages. This standard does not specify requirements applicable to complete surge protective devices, nor does it specify total requirements for GDTs employed within electronic devices, where precise coordination between GDT performance and surge protective device withstand capability is highly critical. |
| SANS 303035-2:2004/ ETSI EN 303035-2:2003 | <i>Terrestrial Trunked Radio (TETRA); Harmonized EN for TETRA equipment covering essential requirements under article 3.2 of the R&TTE Directive – Part 2: Direct Mode Operation (DMO).</i> Specifies the technical characteristics to be provided by Terrestrial Trunked Radio (TETRA) radio and telecommunications terminal equipment, which uses the TETRA technology for Direct Mode Operation at the air interface to support the Direct Mode Operation (DMO) functionality. Applies at the TETRA Direct Mode Operation (DMO) Air interface of the following radio and telecommunication terminal equipment types: TETRA Direct Mode Mobile Station (DM-MS); TETRA Direct Mode GATEway (DM-GATE); TETRA Direct Mode REPeater type 1 (DM-REP1); TETRA Direct Mode REPeater type 2 (DM-REP2). |

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 |
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| SANS 149:2004 (Ed. 2.3) | <i>Absorbent cotton wool and cotton-and-viscose wool products. Consolidated edition incorporating amendment No. 3.</i> Amended to change the designation of SABS standards to SANS standards, to change the definition of "acceptable", to update a referenced standard, and to change the numbering of the bibliography. |
| SANS 256:2004 (Ed. 2.1) | <i>Liquid furniture polish (non-wax emulsion type). Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to change the definition for "acceptable", to change a referenced standard, and to delete the footnote that refers to the information in the appendices as being purely for information and guidance. |
| SANS 301-12:2004 | <i>Fences – Part 12: Specification for steel palisade fences. BS amendment No. 1.</i> Amended to change various requirements and to add new requirements. |
| SANS 543:2004 (SABS 543:1992) | <i>Fire hose reels (with semi-rigid hose).</i> Covers dimensions, construction, materials and performance requirements for fire hose reels fitted with hose. |
| SANS 657-1:2004 (SABS 657-1:1989) | <i>Steel tubes for non-pressure purposes – Part 1: Sections for scaffolding, general engineering and structural applications.</i> Covers welded or seamless steel tubes for scaffolding, structural and general engineering purposes. Requirements for design, chemical composition and mechanical properties are covered, including dimensions and tolerances, freedom from defects of welded tubes, tensile and other testing and marking of tubes. |
| SANS 942:2004 (Ed. 2.3) | <i>Children's, youths', and maids' school shoes with direct injection-moulded soles and heels. Consolidated edition incorporating amendment No. 3.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable", to delete a reference to the standardization mark scheme and a reference to the SABS as the approving authority, to include the use of split leather and physical and chemical requirements for upper leather, to change the requirements for threads, to align the heel and sole material types with changes made to SANS 1437, and to update referenced standards. |
| SANS 954:2004 (Ed. 1.1) | <i>Metal-arc welding equipment (non-automatic, single-operator, transformer type). Consolidated edition incorporating amendment No. 1.</i> Amended to update normative references and Acts, to replace the definition of "competent welder" with "welder", to update the definition of "acceptable", to delete appendix C on "Welding cables" and to renumber subsequent appendices. |
| SANS 1001:2004 (Ed. 1.3) | <i>Semi-vitreous crockery (domestic ware). Consolidated edition incorporating amendment No. 3.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition for "acceptable", to amend the water absorption percentage, and to change dipping to chipping in table 3. |

| Standard No. and year | Title, scope and purport |
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| SANS 1260:2004 (Ed. 1.1) | <i>Invert bitumen emulsion. Consolidated edition incorporating amendment No. 1.</i> Amended to delete reference to the standardization mark scheme, to change the reference to ASTM D88 and to delete a page footnote referring to the use of appendices. |
| SANS 1435:2004 (Ed. 1.1) | <i>Biocides for use in emulsions of aqueous metal working fluid and aqueous hydraulic fluid. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards, to change the definition of acceptable, and to delete the reference to the standardization mark. |
| SANS 1474:2004 (Ed. 1.3) | <i>Uninterruptible power systems. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards and the definition of "acceptable". |
| SANS 1545-2:2004 (SABS 1545-2:2000) | <i>Safety rules for the construction and installation of lifts – Part 2: Hydraulic lifts.</i> Specifies safety rules for the construction and installation of hydraulic lifts, and inspection documentation. |
| SANS 1574:2004 (Ed. 1.8) | <i>Electric cables – Flexible cords and flexible cables. Consolidated edition incorporating amendment No. 8.</i> Amended to update references and to delete reference to the standardization mark scheme. |
| SANS 1654:2004 (Ed. 1.1) | <i>D.c.-powered (battery-operated) machines for use in hazardous locations in mines. Consolidated edition incorporating amendment No. 1.</i> Amended to change the title and scope, to add normative references, to change a definition, to change requirements for electrical system, insulation resistance, insulation monitoring, connection to power supply, cable protection, fire retardancy of cables, and light alloys; to change verification and methods of test requirements for insulation resistance, measurement of the sensitivity of the insulation monitor and to change marking requirements for the manufacturer's plate and repairer's plate. |
| SANS 1700-1-1:1996/ISO 1891:1979 | <i>Fasteners – Part 1: Terminology and nomenclature – Section 1: Bolts, screws, nuts and accessories. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 1700-1-2:1996/ISO 5408:1983 | <i>Fasteners – Part 1: Terminology and nomenclature – Section 2: Cylindrical screw threads. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 1700-2-4:1996/ISO 724:1993 | <i>Fasteners – Part 2: Screw threads – Section 4: ISO general-purpose metric screw threads – Basic dimensions. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 1700-2-9:1996/ISO 1502:1996 | <i>Fasteners – Part 2: Screw threads – Section 9: ISO general-purpose metric screw threads – Gauges and gauging. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 1700-2-10:1996/ISO 263:1973 | <i>Fasteners – Part 2: Screw threads – Section 10: ISO inch screw threads – General plan and selection for screws, bolts and nuts – Diameter range 0,06 to 6 in. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 1700-2-14:1996/ISO 2901:1993 | <i>Fasteners – Part 2: Screw threads – Section 14: ISO metric trapezoidal screw threads – Basic profile and maximum material profiles. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 1700-2-15:1996/ISO 2902:1977 | <i>Fasteners – Part 2: Screw threads – Section 15: ISO metric trapezoidal screw threads – General plan. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 1700-2-16:1996/ISO 2903:1993 | <i>Fasteners – Part 2: Screw threads – Section 16: ISO metric trapezoidal screw threads – Tolerances. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 1700-3-1:1996/ISO 225:1992 | <i>Fasteners – Part 3: Forms, dimensions and designations – Section 1: Bolts, screws, studs and nuts – Symbols and designations of dimensions. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 1700-3-2:1996/ISO 272:1982 | <i>Fasteners – Part 3: Forms, dimensions and designations – Section 2: Hexagon products – Widths across flats. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 1700-3-3:1996/ISO 273:1979 | <i>Fasteners – Part 3: Forms, dimensions and designations – Section 3: Clearance holes for bolts and screws. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 1700-3-5:1996/ISO 888:1976 | <i>Fasteners – Part 3: Forms, dimensions and designations – Section 5: Bolts, screws and studs – Nominal lengths, and thread lengths for general purpose bolts. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 1700-3-6:1996/ISO 3508:1976 | <i>Fasteners – Part 3: Forms, dimensions and designations – Section 6: Thread run-outs for fasteners with thread in accordance with ISO 261 and ISO 262. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 1700-3-8:1996/ISO 4755:1983 | <i>Fasteners – Part 3: Forms, dimensions and designations – Section 8: Thread undercuts for external metric ISO threads. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 1700-3-9:1996/ISO 4757:1983 | <i>Fasteners – Part 3: Forms, dimensions and designations – Section 9: Cross recesses for screws. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 1700-3-10:1996/ISO 7378:1983 | <i>Fasteners – Part 3: Forms, dimensions and designations – Section 10: Bolts, screws and studs – Split pin holes and wire holes. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 1700-3-11:1996/ISO 7721:1983 | <i>Fasteners – Part 3: Forms, dimensions and designations – Section 11: Countersunk head screws – Head configuration and gauging. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |

| Standard No. and year | Title, scope and purport |
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| SANS 1700-3-13:1996/ ISO 8991:1986 | <i>Fasteners – Part 3: Forms, dimensions and designations – Section 13: Designation system for fasteners. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 1700-5-2:1996/ ISO 898-2:1992 | <i>Fasteners – Part 5: General requirements and mechanical properties – Section 2: Nuts with specified proof load values – Coarse thread. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 1700-5-4:1996/ ISO 898-6:1994 | <i>Fasteners Part 5: General requirements and mechanical properties – Section 4: Nuts with specified proof load values – Fine pitch thread. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 1700-5-6:1996/ ISO 2702:1992 | <i>Fasteners – Part 5: General requirements and mechanical properties – Section 6: Heat-treated steel tapping screws. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 1700-5-12:1996/ ISO 6157-1:1988 | <i>Fasteners – Part 5: General requirements and mechanical properties – Section 12: Surface discontinuities – Bolts, screws and studs for general requirements. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 1700-5-13:1996/ ISO 6157-3:1988 | <i>Fasteners – Part 5: General requirements and mechanical properties – Section 13: Surface discontinuities – Bolts, screws and studs for special requirements. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 1700-5-14:1996/ ISO 8839:1986 | <i>Fasteners – Part 5: General requirements and mechanical properties – Section 14: – Bolts, screws, studs and nuts made of non-ferrous metals. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 1700-5-15:1996/ ISO 8992:1986 | <i>Fasteners – Part 5: General requirements and mechanical properties – Section 15: Bolts, screws, studs and nuts. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 1700-6-3:1996/ ISO 3800:1993 | <i>Fasteners – Part 6: Testing and acceptance inspection – Section 3: Threaded fasteners – Axial load fatigue testing – Test methods and evaluation of results. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 1700-6-4:1996/ ISO 8749:1986 | <i>Fasteners – Part 6: Testing and acceptance inspection – Section 4: Pins and grooved pins – Shear test. National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 1700-13-6:1996/ ISO 7050:1983 | <i>Fasteners – Part 13: Tapping screws – Section 6: Cross recessed countersunk (flat) head tapping screws (common head style). National amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 1748-1:2004 (Ed. 1.1) | <i>Glass-fibre-reinforced thermosetting plastics (GRP) pipes – Part 1: Pipes for water supply, sewerage and drainage. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to change the definition of acceptable, and to update ISO and quality verification standards. |
| SANS 1774:2004 (Ed. 1.1) | <i>Liquefied petroleum gases. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards and the definition for "acceptable", to change the relative density test to a density test, and to change both the vapour pressure and the density requirements for the liquefied petroleum gas mixture. |
| SANS 5985:2004 (Ed. 1.1) | <i>Moisture content of timber (extraction method). Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 5991:2004 (Ed. 1.1) | <i>Guidelines for the spray-testing of timber specimens. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 5993:2004 (Ed. 1.1) | <i>Chromium detection in timber. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 5999:2004 (Ed. 1.1) | <i>Heartwood detection in timber of the Pinus species. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 6084:2004 (SABS SM 1984:1984) | <i>Colour fastness of textiles to light: Mercury vapour lamp method.</i> Specifies a method for determining the resistance of the colour of textiles of all kinds, and in all forms, and leather to the action of artificial light produced by a mercury vapour lamp. The method is also applicable to white (bleached or optically brightened) textiles. |
| SANS 6121:2004 (Ed. 1.1) | <i>Bond quality of laminated timber products (Glulam) – Chisel test. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 6303:2004 (Ed. 1.1) | <i>Depth of penetration of borate preservatives in timber. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |
| SANS 10117:2004 (Ed. 2.1) | <i>Calculation and prediction of aircraft noise around airports for land use purposes. Consolidated edition incorporating amendment No. 1.</i> Amended to replace reference to SANS 60651 with SANS 61672-1. |
| SANS 10218-1:2004 (Ed. 2.2) | <i>Acoustical properties of buildings – Part 1: Grading criteria for the airborne sound insulation properties of buildings. Consolidated edition incorporating amendment No. 2.</i> Amended to align definitions and the maximum values for air-borne sound insulation for buildings with international definitions and maximum values as given in SANS 10103 and SANS 10328. |
| SANS 10218-2:2004 (Ed. 1.1) | <i>Acoustical properties of buildings – Part 2: The assessment of building plans and buildings with respect to their acoustical properties. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes. |

| Standard No. and year | Title, scope and purport |
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| SANS 10317:2004 (Ed. 1.1) | <i>Instructions for the use of consumer products – Electrical appliances. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards. |
| SANS 10357:2004 (Ed. 1.2) | <i>The calculation of sound propagation by the Concave method. Consolidated edition incorporating national amendment No. 1.</i> Amended to align definitions with international definitions as given in SANS 10103 and SANS 10328, and to replace reference to SANS 60651 with SANS 61672-1. |
| SANS 15875-1:2004/ ISO 15875-1:2003 (SANS 15875-1:2003) | <i>Plastics piping systems for hot and cold water installations – Crosslinked polyethylene (PE-X) – Part 1: General.</i> Specifies the general aspects of crosslinked polyethylene (PE-X) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems), and for heating systems, under design pressures and temperatures according to the class of application. Covers a range of service conditions (application classes) and design pressure classes. |
| SANS 15875-2:2004/ ISO 15875-2:2003 (SANS 15875-2:2003) | <i>Plastics piping systems for hot and cold water installations – Crosslinked polyethylene (PE-X) – Part 2: Pipes.</i> Specifies the characteristics of pipes made from crosslinked polyethylene (PE-X) for piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems), and for heating systems, under design pressures and temperatures appropriate to the class of application. Covers a range of service conditions (application classes), design pressures and pipe dimension classes. |
| SANS 15875-3:2004/ ISO 15875-3:2003 (SANS 15875-3:2003) | <i>Plastics piping systems for hot and cold water installations – Crosslinked polyethylene (PE-X) – Part 3: Fittings.</i> Specifies the characteristics of fittings for crosslinked polyethylene (PE-X) piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water, whether or not intended for human consumption (domestic systems), and for heating systems, under design pressures and temperatures appropriate to the class of application. Covers a range of service conditions (application classes) and design pressure classes. |
| SANS 15875-5:2004/ ISO 15875-5:2003 (SANS 15875-5:2003) | <i>Plastics piping systems for hot and cold water installations – Crosslinked polyethylene (PE-X) – Part 5: Fitness for purpose of the system.</i> Specifies the characteristics of the fitness for purpose of crosslinked polyethylene (PE-X) piping systems, intended to be used for hot and cold water installations within buildings for the conveyance of water whether or not intended for human consumption (domestic systems) and for heating systems, under design pressures and temperatures according to the class of application. Covers a range of service conditions (application classes) and design pressure classes. |
| SANS 20008:2002/ ECE R8:2002 | <i>Uniform provisions concerning the approval of motor vehicle headlamps emitting an asymmetrical passing beam or a driving beam or both and equipped with halogen filament lamps (H₁, H₂, H₃, HB₃, HB₄, H₇, H₈, H₉, HIR1, HIR2 and/or H11).</i> Applies to the motor vehicle headlamps which may incorporate lenses of glass or plastic material. <i>ECE corrigendum No. 1.</i> Corrected to clarify the approval mark. |
| SANS 20036:2004/ ECE R36:2002 | <i>Uniform provisions concerning the approval of large passenger vehicles with regard to their general construction. ECE amendment No. 1.</i> Amended to add new definitions; to allow electric circuits to be protected by protection devices integrated into the electronic components or systems, and specify a requirement for such devices. To add a requirement for fuel leaking not to be allowed on any high voltage electrical equipment and a requirement for the distance between the flammable material and any high voltage electrical equipment or any other significant source of heat of a vehicle; to prohibit trolleybus from having escape hatches fitted in the roof; to replace the wording "buses or coaches" with the word "vehicles" throughout the text; and to specify requirements for trolleybuses. <i>ECE amendment No. 2.</i> Amended to change the definition for "Gangway"; to make the requirements for gangways applicable to all vehicles by deleting the wording "public service"; and to change the base point from which the triangle peak is measured. |
| SANS 20037:2002/ ECE R37:2001 (SABS ECE R37:1992) | <i>Uniform provisions concerning the approval of filament lamps for use in approved lamp units of power-driven vehicles and of their trailers.</i> Applies to filament lamps intended for use in approved lamp units of power-driven vehicles and of their trailers. <i>ECE amendment No. 1.</i> Amended to replace data sheets for signalling lamps for power-driven vehicles with new data sheets. <i>ECE corrigendum No. 1.</i> Changed to make corrections on data sheets given in annex 1. <i>ECE amendment No. 2.</i> Amended to clarify the definitions for bulb colour and standard filament lamps, to change the requirements for a standard filament lamp and the colour of light emitted by a filament lamp and to add new data sheets. <i>ECE amendment No. 3.</i> Amended to delete the details listed for annex 1 in the list of contents, to change the marking requirements for filament lamps, and the requirements for colour of light emitted by a lamp, to make editorial corrections on the data sheets given in annex 1, and to delete, replace and insert data sheets in annex 1. <i>National amendment No. 1.</i> Amended to add information to the national foreword that relates to the compulsory application of the standard. |

| Standard No. and year | Title, scope and purport |
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| SANS 20067:2004/ ECE R67:2000 | <p><i>Uniform provisions concerning:</i></p> <p>i) approval of specific equipment of motor vehicles using liquefied petroleum gases in their propulsion system;</p> <p>ii) approval of a vehicle fitted with specific equipment for the use of liquefied petroleum gases in its propulsion system with regard to the installation of such equipment.</p> <p><i>ECE amendment No. 1.</i> Amended to add South Africa to the list of countries; reduce the value of outside pressure that a component needs to withstand; change the position of the pressure relief valve; add a scope to the text that deals with high pressure synthetic hoses, class 1 classification; add requirements and tests for tensile strength and elongation specific for polyamide 6 material; and change the test temperature for the resistance to ageing test of the cover.</p> <p><i>ECE corrigendum No. 1.</i> Corrected to change the definition for type of container; change the communication list for LPG equipment; add an appendix that deals with containers to annex 2B, on communication, and include reference to the appendix; add container characteristics to the bonfire test; and change the test period for the ozone ageing test.</p> <p><i>ECE corrigendum No. 2.</i> Changed to correct cross-references.</p> <p><i>ECE amendment No. 2.</i> Amended to add two definitions related to containers and to clarify the definition for type of container; clarify the requirements for design rules with regard to components; limit the test procedure for resistance to dry heat to non-metallic parts only; change the number of operation cycles for the endurance test; delete reference to the endurance test for the pressure relief device; add requirements for sealing cones of swivel-nut type couplings and for quick-connector type couplings; correct cross-references, include references to relevant ISO and EN standards, and delete references to DIN standards; add a scope to the text that deals with approval of LPG containers; update the information that container manufacturers need to provide; add an overview of tests to be performed on LPG containers; add and differentiate relevant requirements, tests and calculations for metal containers and all-composite containers; change the requirements for yield stress, tensile strength and elongation of containers in the tensile test; change the bend test for containers; specify the measurement of pressure inside a container during the bonfire test; add an impact test, a drop test, a boss torque test, an acid environment test, and an ultraviolet (UV) test; add an appendix that deals with material test methods to annex 10, on the approval of LPG containers; include tests for resistance to dry heat and ozone ageing for class 3 components; add a test for compatibility with heat exchange fluid to class 2A components; delete reference to limited applicability of test procedures and to delete requirements for materials used for the components; add a requirement to the external leakage test; increase the margin value of the pressure relief valve for internal leakage; add an endurance requirement for the 80 per cent stop valve; and add an optional condition for the charging-speed test.</p> <p><i>ECE corrigendum 1 to ECE amendment No. 2.</i> Corrected to add requirements for containers, and to renumber the subclause on retesting.</p> |
| SANS 20107:2004/ ECE R107:1998 | <p><i>Uniform provisions concerning the approval of double-deck large passenger vehicles with regard to their general construction.</i></p> <p><i>ECE corrigendum No. 1.</i> Corrected to allocate code 32 to Latvia and to clarify that, in the case of class II vehicles, the surface area for standing passengers is calculated by deducting from Sob the area in which standing is not allowed.</p> <p><i>ECE amendment No. 1.</i> Amended to allocate new codes to relevant countries and to change the minimum seat spacing in class III vehicles for approval A.</p> <p><i>ECE amendment No. 2.</i> Amended to generalize the exclusion; to add a new definition for "passenger with reduced mobility"; to allocate new codes to relevant countries; and to add requirements for the positioning of fuel filler holes to service doors and emergency doors, the siting of exits in the case of two doors of different sections of articulated vehicles, and the slope of gangway in different directions. Also amended to change requirements for service doors, access to escape hatches, and dimensions of gangway measuring gauging devices; to allow floor slope up to 5 %, and exceptions to the requirements for hand-rails and hand-holds; to update figure 11 and the table under figure 3 of annex 3, and to add figure 16 to the annex.</p> <p><i>ECE amendment No. 3.</i> Amended to allow electric circuits to be protected by protection devices integrated into the electronic components or systems, and to specify requirement for such devices. Also amended to allow a reduced free height over seating positions for the rearmost part of the lower deck.</p> <p><i>ECE amendment No. 4.</i> Amended to change the base point from which the triangle peak is measured.</p> |
| SANS 60034-8:2003/ IEC 60034-8:2002 | <p><i>Rotating electrical machines – Part 8: Terminal markings and direction of rotation.</i> <i>IEC corrigendum No. 1.</i> Corrected to replace the table in figure A.22, entitled "Shunt-motor or compound generator with cumulative series and commutating windings, six terminals", with a new table.</p> |
| SANS 60034-26:2004/ IEC 60034-26:2002 | <p><i>Rotating electrical machines – Part 26: Effects of unbalanced voltages on the performance of three-phase induction motors.</i> <i>IEC corrigendum No. 1.</i> Corrected to add a sentence to the foreword.</p> |
| SANS 60335-2-9:2004/ IEC 60335-2-9:2004 (Ed. 3.1) | <p><i>Household and similar electrical appliances – Safety – Part 2-9: Particular requirements for grills, toasters and similar portable cooking appliances. Consolidated edition incorporating IEC amendment No. 1.</i> Amended to add breadmakers to the scope of the standard, to add requirements for appliances for outdoor use and to correct a temperature tolerance in the definition of normal operation.</p> |
| SANS 60335-2-15:2003/ IEC 60335-2-15:2002 | <p><i>Household and similar electrical appliances – Safety – Part 2-15: Particular requirements for appliances for heating liquids.</i> <i>IEC corrigendum No. 1.</i> Corrected to amend the title of clause 16 to read "Leakage current and electric strength".</p> |
| SANS 60335-2-80:2004/ IEC 60335-2-80:2004 (Ed. 2.1) | <p><i>Household and similar electrical appliances – Safety – Part 2-80: Particular requirements for fans. Consolidated edition incorporating IEC amendment No. 1.</i> Amended to add a definition for "duct fan", amend the marking requirements for temperature, the thermal test conditions and the test for moisture resistance.</p> |
| SANS 61010-1:2004/ IEC 61010-1:2001 (SABS IEC 61010-1:1990) | <p><i>Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements.</i> Specifies general safety requirements for electrical equipment intended for professional, industrial process, and educational use, including equipment and computing devices for measurement and test, control, laboratory use and accessories intended for use with the above.</p> <p><i>IEC corrigendum 1.</i> Corrected to replace the title of figure 3 and to amend clause and table references.</p> <p><i>IEC corrigendum 2.</i> Corrected to replace diagram of figure 1 with a new one for values in single fault condition.</p> |
| SANS 61770:2004/ IEC 61770:2004 (Ed. 1.1) | <p><i>Electric appliances connected to the water mains – Avoidance of backsiphonage and failure of hose-sets. Consolidated edition incorporating IEC amendment No. 1.</i> Amended to change the test conditions in the test for dynamic backflow preventers.</p> |

| Standard No. and year | Title, scope and purport |
|--|---|
| SANS 62040-1-2:2003/ IEC 62040-1-2:2002 | <i>Uninterruptible power systems (UPS) – Part 1-2: General and safety requirements for UPS used in restricted access locations. IEC corrigendum No. 2. Corrected to change a reference standard in the scope, to add new normative references, to change reference to a clause in a note of 5.2 to do an editorial change in a.c. and d.c. power isolation and to delete reference to a clause in wiring terminals for external power conductors.</i> |

SCHEDULE 3: CANCELLATION OF STANDARDS

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

| Standard No. and year | Title |
|--------------------------|---|
| SANS 447:1972 | <i>Domestic cooking appliances for use with gas fuels</i> |
| SANS 9000-1:1994 | <i>Quality management and quality assurance standards – Part 1: Guidelines for selection and use</i> |
| SANS 9000-3:1997 | <i>Quality management and quality assurance standards – Part 3: Guidelines for the application of ISO 9001:1994 to the development, supply, installation and maintenance of computer software</i> |

SCHEDULE 4: ADDRESSES OF SABS OFFICES

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

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