

DEPARTMENT OF TRADE AND INDUSTRY
DEPARTEMENT VAN HANDEL EN NYWERHEID

No. 780

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STANDARDS ACT, 2008
STANDARDS MATTERS

In terms of the Standards Act, 2008 (Act No. 8 of 2008), the Council of the South African Bureau of Standards has acted in regard to standards in the manner set out in the Schedules to this notice.

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

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

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

SCHEDULE 1: ISSUE OF NEW STANDARDS

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

Standard No. and year	Title, scope and purport
SANS 21-1:2009/ EN 115-1:2008	<i>Safety of escalators and moving walks – Part 1: Construction and installation.</i> Applies to new escalators and moving walks (pallet or belt type). Deals with all significant hazards, hazardous situations and events relevant to escalators and moving walks when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer. Does not deal with hazards arising from seismic activities.
SANS 876:2009/ NRS 012:2009	<i>Cable terminations and live conductors within air-filled enclosures (insulation co-ordination) for rated a.c. voltages from 7,2 kV up to and including 36 Kv.</i> Covers requirements for enclosures for the termination of cables and for the housing of live conductors in air, for use indoors or outdoors, at rated a.c. voltages of 7,2 kV up to and including 36 kV.
SANS 12215-5:2009/ ISO 12215-5:2008	<i>Small craft – Hull construction and scantlings – Part 5: Design pressures for monohulls, design stresses, scantlings determination.</i> Applies to the determination of design pressures and stresses, and to the determination of the scantlings, including internal structural members of monohull small craft constructed from fibre-reinforced plastics, aluminium or steel alloys, glued wood or other suitable boat building material, with a length of hull, LH, between 2,5 m and 24 m.
SANS 15415:2009/ ISO/IEC 15415:2004	<i>Information technology – Automatic identification and data capture techniques – Bar code print quality test specification – Two-dimensional symbols.</i> Defines methods for evaluating and grading two dimensional barcode symbol measurements and deriving an overall assessment of symbol quality. Gives information on possible causes of deviation from optimum grades to assist users in taking appropriate corrective action.
SANS 15459-4:2009/ ISO/IEC 15459-4:2008	<i>Information technology – Unique identifiers – Part 4: Individual items.</i> Specifies a unique, non-significant string of characters for the unique identifier for individual items. The character string is intended to be represented in a bar code label or other AIDC media attached to the item to meet supply chain needs. To address management needs, different classes of items are recognized in the various parts of SANS 15459, which allows different requirements to be met by the unique identifiers associated with each class.
SANS 15459-6:2009/ ISO/IEC 15459-6:2007	<i>Information technology – Unique identifiers – Part 6: Unique identifier for product groupings.</i> Specifies a unique, non-significant string of characters for the unique identifier of product groupings. The character string is intended to be represented in linear bar code and two-dimensional symbols, radio frequency identification (RFID) transponder or other automatic identification and data capture (AIDC) media attached to the product and/or material to meet the management needs in a batch or lot unit.
SANS 16714:2009/ ISO 16714:2008	<i>Earth-moving machinery – Recyclability and recoverability – Terminology and calculation method.</i> Specifies a method, and defines related terms, for calculating the recyclability rate and the recoverability rate of earth-moving machinery as defined in ISO 6165 (published in South Africa as an identical adoption under the designation SANS 261), each expressed as a percentage by mass (mass fraction in percent) of the machine, which can potentially be recycled, reused or both (recyclability rate), or recovered, reused or both (recoverability rate).
SANS 20094:2009/ ECE R94:2007	<i>Uniform provisions concerning the approval of vehicles with regard to the protection of the occupants in the event of a frontal collision.</i> Applies to power-driven vehicles of category M1 of a total permissible mass not exceeding 2,5 t; heavier vehicles may be approved at the request of the manufacturer.
SANS 26825:2009/ ISO 26825:2008	<i>Anaesthetic and respiratory equipment – User-applied labels for syringes containing drugs used during anaesthesia – Colours, design and performance.</i> Gives requirements for labels which the user attaches to syringes so that the contents can be identified just before use during anaesthesia. It covers the colour, size, design and general properties of the label and the typographical characteristics of the wording for the drug name. It does not give requirements for labels applied to a syringe or cartridge by the drug manufacturer.
SANS 38500:2009/ IEC 38500:2008	<i>Corporate governance of information technology.</i> Provides guiding principles for directors of organizations (including owners, board members, directors, partners, senior executives, or similar) on the effective, efficient, and acceptable use of Information Technology (IT) within their organizations. Also applies to the governance of management processes (and decisions) relating to the information and communication services used by an organization. Could be controlled by IT specialists within the organization or external service providers, or by business units within the organization.

Standard No. and year	Title, scope and purport
SANS 51317-2:2009/ EN 1317-2 1998	<i>Road restraint systems – Part 2: Performance classes, impact test acceptance criteria and test methods for safety barriers.</i> Specifies requirements for the impact performance of safety barriers including vehicle parapets. Defines performance classes for different containment levels, acceptance criteria for impact tests and test methods.
SANS 60034-30:2009/ IEC 60034-30:2008	<i>Rotating electrical machines – Part 30: Efficiency classes of single-speed, three-phase, cage-induction motors (IE-code).</i> Specifies efficiency classes for single-speed, three-phase, 50 Hz and 60 Hz, cage-induction motors. Covers motors with flanges, feet and/or shafts with mechanical dimensions different from IEC 60072-1. Does not cover motors made solely for converter operation in accordance with IEC 60034-25 and motors completely integrated into a machine that cannot be tested separately from the machine.
SANS 61439-1:2009/ IEC 61439-1:2009	<i>Low-voltage switchgear and controlgear assemblies – Part 1: General rules.</i> Lays down the definitions and states the service conditions, construction requirements, technical characteristics and verification requirements for low-voltage switchgear and controlgear assemblies.
SANS 62335:2009/ IEC 62335:2008	<i>Circuit breakers – Switched protective earth portable residual current devices for class 1 and battery powered vehicle applications.</i> Applies to portable devices intended for use with vehicles having class 1 insulation and battery powered vehicle applications having battery charging units.

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 62-2:2009 (Ed. 3.1)	<i>Steel pipes – Part 2: Screwed pieces and pipe fittings of nominal size not exceeding 150 mm. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, and to update the introductory paragraph to the normative references clause.
SANS 105-E04:2009/ ISO 105-E04:2008	<i>Textiles – Tests for colour fastness – Part E04: Colour fastness to perspiration.</i> Specifies a method for determining the resistance of the colour of textiles of all kinds and in all forms to the action of human perspiration.
SANS 214-1:2009/ CISPR 14-1:2009 (Ed. 3.1)	<i>Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 1: Emission. Consolidated edition incorporating amendment No. 1.</i> Amended to add mains and battery powered appliances to the scope of the standard, add four new normative references and three new definitions, and replace and add new text and figures relating to the changed limits of radio disturbance and radiated emission measurements.
SANS 613:2009 (Ed. 1.1)	<i>Fenestration products – Mechanical performance criteria. Consolidated edition incorporating amendment No. 1.</i> Amended to correct a dimension.
SANS 660:2009 (Ed. 3.4)	<i>Classroom furniture. Consolidated edition incorporating amendment No. 4.</i> Amended to update referenced standards, to change the requirements for the colour stability test method, and to remove reference to the standardization mark.
SANS 753:2009 (Ed. 4.7)	<i>Pole poles, cross-arms and spacers for power distribution, telephone systems and street lighting. Consolidated edition incorporating amendment No. 7.</i> Amended to update referenced standards.
SANS 770:2009 (Ed. 2.3)	<i>Footwear laces. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 981:2009 (Ed. 2.3)	<i>High-pressure down-draught steam sterilizers (autoclaves) (with independent steam supply). Consolidated edition incorporating amendment No. 3.</i> Amended to change the designation of SABS standards to SANS standards, to delete the reference to national legislation from the text, to update referenced standards and the definition of “acceptable”, to change requirements for steel tubes and for paint, and to change language marking requirements for sterilizers, operating controls and instruction booklets.
SANS 1874:2009/ NRS 006:2009	<i>Switchgear – Metal-enclosed ring main units for rated a.c. voltages above 1 kV and up to and including 36 kV.</i> Specifies the characteristics of new, factory-assembled metal-enclosed ring main units that are rated for use on a three-phase cable system for rated a.c. voltages above 1 kV and up to and including 36 kV, and are designed for indoor or outdoor operation at a rated frequency of 50 Hz.
SANS 3471:2009/ ISO 3471:2008	<i>Earth-moving machinery – Roll-over protective structures – Laboratory tests and performance requirements.</i> Specifies performance requirements for metallic roll-over protective structures (ROPS) for earth-moving machinery, as well as a consistent and reproducible means of evaluating the compliance with these requirements by laboratory testing using static loading on a representative specimen. Applies to ROPS intended for the following mobile machines with seated operator and with a mass greater than or equal to 700 kg: dozer, loader, backhoe loader, dumper, pipelayer, tractor section (prime mover) of a combination machine (e.g. tractor scraper, articulated frame dumper), grader, landfill compactor, roller, and trencher. Does not apply to training seats or additional seats for operation of an attachment.
SANS 5277:2009 (SABS SM 277:1975)	<i>Resistance to attack by Chaetomium globosum.</i> Specifies a method for the determination of the resistance of the test specimens to attack by Chaetomium globosum.
SANS 5469:2009 (SABS SM 469:1967)	<i>Soil burial.</i> Specifies a method for the soil burial of test specimens in order to determine the effect of microbiological activity on these specimens.
SANS 5472:2009 (SABS SM 472:1967)	<i>Resistance to fungal attack by Aspergillus niger.</i> Specifies a method for the determination of the resistance to fungal attack by Aspergillus niger.

Standard No. and year	Title, scope and purport
SANS 5484:2009 (SABS SM 484:2009)	<i>Resistance to fungal attack by mixed fungi.</i> Specifies a method for the determination of the resistance to fungal attack by mixed fungi.
SANS 5614:2009 (SABS SM 614:1981)	<i>Resistance to growth of Trichophyton interdigitale.</i> Specifies a method for the determination of the resistance of test specimens to the growth of Trichophyton interdigitale.
SANS 7296-1:2007/ ISO 7296-1:2007	<i>Cranes – Graphic symbols – Part 1: General. ISO amendment No. 1.</i> Amended to change and to delete symbols, and to replace the alphabetical index.
SANS 10111-2-2:1993/ ISO 5459:1981	<i>Engineering drawing – Part 2: Geometrical tolerancing Section 2: Datums and datum-systems for geometrical tolerances. National amendment No. 1.</i> Describes datums and datum-systems for geometrical tolerancing, their definitions, practical embodiments and their indications on technical drawings in the field of mechanical engineering.
SANS 10187-1:2009 (Ed. 1.1)	<i>Load securement on vehicles – Part 1: General requirements. Consolidated edition incorporating amendment No. 1.</i> Amended to delete the figure on forces acting on loads.
SANS 11801:2998/ ISO/IEC 11801:2008	<i>Information technology – Generic cabling for customer premises. ISO/IEC corrigendum No. 3.</i> Corrected to do editorial changes and to replace a table on Applications using balanced cabling.
SANS 14798:2009/ ISO 14798:2009	<i>Lifts (elevators), escalators and moving walks – Risk assessment and reduction methodology.</i> Establishes general principles and specific procedures for assessing risk. Provides a process for making decisions relevant to the safety of lifts during the design, construction, installation and servicing of lifts, lift components and systems, development of generic procedures for the use, operation, testing, compliance verification and servicing of lifts, and development of technical specifications and standards affecting the safety of lifts.
SANS 14888-1:2009/ ISO/IEC 14888-1:2008	<i>Information technology – Security techniques – Digital signatures with appendix – Part 1: General.</i> Specifies several digital signature mechanisms with appendix for messages of arbitrary length. Contains general principles and requirements for digital signatures with appendix, definitions and symbols, which are used in all parts of ISO/IEC 14888.
SANS 15408-3:2009/ ISO/IEC 15408-3:2008	<i>Information technology – Security techniques – Evaluation criteria for IT security – Part 3: Security assurance components.</i> Includes the evaluation assurance levels (EALs) that define a scale for measuring assurance for component TOEs, the composed assurance packages (CAPs) that define a scale for measuring assurance for composed TOEs, the individual assurance components from which the assurance levels and packages are composed, and the criteria for evaluation of PPs and STs.
SANS 15424:2009/ ISO/IEC 15424:2008	<i>Information technology – Automatic identification and data capture techniques – Data Carrier Identifiers (including Symbolism Identifiers).</i> Applicable to automatic identification device communication conventions and standardizes the reporting of data carriers from bar code readers and other automatic identification equipment. Specifies a preamble message generated by the reader, and interpretable by the receiving system, indicating the bar code symbology or other origin of transmitted data, together with details of certain specified optional processing features that are associated with the data message.
SANS 15946-1:2009/ ISO/IEC 15946-1:2008	<i>Information technology – Security techniques – Cryptographic techniques based on elliptic curves – Part 1: General.</i> Specifies public-key cryptographic techniques based on elliptic curves. Includes the establishment of keys for secret-key systems, and digital signature mechanisms. Describes the mathematical background and general techniques necessary for implementing any of the mechanisms described.
SANS 18014-1:2009/ ISO/IEC 18014-1:2008	<i>Information technology – Security techniques – Time stamping services – Part 1: Framework.</i> Identifies the objective of a time-stamping authority. Describes a general model on which time stamping services are based. Defines time-stamping services, the basic protocols of time stamping and the protocols between the identities.
SANS 19108:2003/ ISO 19108:2002	<i>Geographic information – Temporal schema. ISO corrigendum No. 1.</i> Corrected to change the names of metadata elements (in Annex C), to change the value of an element in the Julian calendar, and to do editorial changes.
SANS 20063:2004/ ECE R63:1985	<i>Uniform provisions concerning the approval of two-wheeled mopeds with regard to noise. National amendment No. 1.</i> Amended to add information to the national foreword that relates to the compulsory introduction of this standard <i>ECE amendment No. 2.</i> Amended to change the scope.
SANS 20081:1989/ ECE R81:1989	<i>Uniform provisions concerning the approval of rear-view mirrors and of two-wheeled power-driven vehicles with or without side car, with regard to the installation of rear-view mirrors on handlebars. National amendment No. 1.</i> Amended to make provision for a two-digit mark indicating the country of approval and to specify the fitment of mirrors according to maximum design speed and wheel configuration. <i>ECE amendment No. 2.</i> Amended to change the scope, to add a new footnote to the scope, to change the footnote that gives distinguishing numbers of countries that have granted approval, and to renumber the remaining footnotes.
SANS 20094:2009/ ECE R94:2007	<i>Uniform provisions concerning the approval of vehicles with regard to the protection of the occupants in the event of a frontal collision. ECE corrigendum No. 1.</i> Corrected to change the title and requirements in the annex on determination of performance criteria (annex 4).
SANS 50054-1:2009/ EN 54-1:1996	<i>Fire detection and fire alarm systems – Part 1: Introduction.</i> Specifies requirements, test methods and performance criteria against which the effectiveness and reliability of the component parts of fire detection and fire alarm systems can be assessed. Specifies requirements and test methods against which the ability of components to be combined into an effective system can be assessed. Gives guidelines for the incorporation and use of fire detection and fire alarm systems into buildings or other construction works.
SANS 60079-0:2009/ IEC 60079-0:2007	<i>Explosive atmospheres – Part 0: Equipment – General requirements.</i> Specifies the general requirements for construction, testing and marking of electrical equipment and Ex components intended for use in explosive atmospheres.

Standard No. and year	Title, scope and purport
SANS 60079-6:2009/ IEC 60079-6:2007	<i>Explosive atmospheres – Part 6: Equipment protection by oil-immersion "o"</i> . Specifies the requirements for the construction and testing of oil-immersed electrical equipment, oil-immersed parts of electrical equipment and Ex components in the type of protection oil immersion "o", intended for use in explosive gas atmospheres
SANS 60079-14:2009/ IEC 60079-14:2007	<i>Explosive atmospheres – Part 14: Electrical installations design, selection and erection</i> . Contains the specific requirements for the design, selection and erection of electrical installations in hazardous areas associated with explosive atmospheres.
SANS 60669-2-1:2009/ IEC 60669-2-1:2009 (Ed 3.1)	<i>Switches for household and similar fixed electrical installations – Part 2-1: Particular requirements – Electronic switches. Consolidated edition incorporating amendment No. 1</i> . Amended to include general purpose electronic switches with included automatic functions, and to add limitations on voltage and current.
SANS 61000-3-2:2009/ IEC 61000-3-2:2009 (Ed. 3.2)	<i>Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current <= 16 A per phase). Consolidated edition incorporating amendment No. 2</i> . Amended to add two normative references, a definition for total harmonic distortion and a simplified test method for equipment that undergoes minor changes or updates, and to replace and add a new figure 2 and text relating to measurement procedure, limits for Class C equipment, and test conditions for audio amplifiers, lamps and washing machines.
SANS 61058-1:2009/ IEC 61058-1:2008 (Ed 3.2)	<i>Switches for appliances – Part 1: General requirements. Consolidated edition incorporating amendment No. 2</i> . Amended to add and update normative references, to add requirements for the classification of switches and terminals, to add new symbols for tungsten filament lamps and protective earth, to add a type test and requirements for mechanical strength, to change requirements for electronic switches, for terminals and terminations, for fire hazard, for the protection against solid foreign objects and for resistance to rusting, to replace the tables covering torque values and minimum creepage distance for basic insulation, to delete the contents of annexes C, E, G and J, and to add two annexes and a bibliography.
SANS 61643-21:2009/ IEC 61643-21:2009 (Ed. 1.1)	<i>Low voltage surge protective devices – Part 21: Surge protective devices connected to telecommunications and signalling networks – Performance requirements and testing methods. Consolidated edition incorporating amendment No. 1</i> . Amended to add referenced standards, to updated definitions, to change requirements for SPDs, maximum continuous operating voltage, transmission and impulse limiting voltage, to change different tests, to add requirements for simultaneous surge on all protected conductors, to delete annexes on a selection of tests and test sequence, and to add annexes on measurement accuracy and the determination of let-through current.

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 48:2008	<i>Refractory bricks.</i>
SANS 592:1957	<i>Wood preservative mixtures containing high temperature creosote and coal tar.</i>
SANS 593:1957	<i>Wood preservative mixtures containing low and medium temperature creosote and coal tar.</i>
SANS 870:2008	<i>A borax-sodium pentachlorophenate mixture for anti-sapstain treatment of timber.</i>
SANS 1388:2005	<i>Tributyltin oxide-lindane timber preservative.</i>
SANS 1428:1991	<i>Replacement silencing systems for motor vehicles.</i>
SANS 3453:2004	<i>Non-destructive testing – Liquid penetrant inspection – Means of verification.</i>
SANS 5899:2007	<i>Dimensions of refractory bricks.</i>
SANS 9935:2004	<i>Non-destructive testing – Penetrant flaw detectors – General Technical requirements.</i>
SANS 10202:1985	<i>Colour marking for the identification of wrought steels commonly used in South Africa.</i>
SANS 10207:1985	<i>Colour-coded labels for the identification of classes of medicine used in anaesthesiology.</i>
SANS 10232-2:1997	<i>Transportation of dangerous goods – Emergency information systems – Part 2: Emergency information system for rail transportation.</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 CEO, 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.