

## DEPARTMENT OF TRADE AND INDUSTRY

## NOTICE 270 OF 2020

STANDARDS ACT, 2008  
STANDARDS MATTERS

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

## SECTION A: DRAFTS FOR COMMENTS

The following draft standards are hereby issued for public comments in compliance with the norm for the development of the South Africa National standards in terms of section 23(2)(a) (ii) of the Standards Act.

Draft Standard No. and Edition	Title, scope and purport	Closing Date
SANS 61010-02-010 Ed 3	<i>Safety requirements for electrical equipment for measurement, control and laboratory use Part 2-010: Particular requirements for laboratory equipment for the heating of materials.</i> Specifies particular safety requirements for the following types a) to c) of electrical equipment and their accessories, wherever they are intended to be used, whenever the heating of materials is one of the functions of the equipment.	2020-05-30
SANS 3001-CO2-2 Ed 1	<i>Civil engineering test methods Part CO2-2: Making and curing of test specimens.</i> Covers the preparation and filling of moulds, compaction of the concrete, levelling the surface, curing and transporting of test specimens.	2020-06-02

## SCHEDULE A.1: AMENDMENT OF EXISTING STANDARDS

The following draft amendments are hereby issued for public comments in compliance with the norm for the development of the South African National Standards in terms of section 23(2)(a) (ii) of the Standards Act.

Draft Standard No. and Edition	Title	Scope of amendment	Closing Date
SANS 60317-0-3 Ed 1.2	<i>Specifications for particular types of winding wires Part 0-3: General requirements - Enamelled round aluminium wire</i>	Amended to update the contents, the scope, the normative references and the terms and definitions, to add information on winding wire, dimensions, breakdown voltage, temperature, annex A, annex B, annex C and to delete bibliography.	2020-05-24
SANS 60851-2 Ed 2.2	<i>Winding wires - Test methods Part 2: Determination of dimensions</i>	Amended to update the contents, Normative references and to add annex A.	2020-05-24
SANS 452 Ed 1.1	<i>Non-reusable and reusable sharps containers.</i>	To update reference standards.	2020-06-08
SANS 10398 Ed 1.1	<i>Cosmetic cellulite products.</i>	Amended to update referenced standards, and the sub-clause on labelling and advertising claims.	2020-06-08

**SCHEDULE A.2: WITHDRAWAL OF THE SOUTH AFRICAN NATIONAL STANDARDS**

In terms of section 24(1)(C) of the Standards Act, the following published standards are issued for comments with regard to the intention by the South African Bureau of Standards to withdrawn them.

Draft Standard No. and Edition	Title	Reason for withdrawal	Closing Date
SANS 6111	<i>Accumulated impact strength of steel shanks</i>	The committee agreed to the withdrawal of the SANS 6111 and the test method will be incorporated into SANS 1363, Young people's shoes (stuck-on and stitch-down constructions) where it is referenced.	2020-06-09
SANS 6112	<i>Bending modulus of steel shanks for footwear</i>	The committee agreed to the withdrawal of the SANS 6112 and the test method will be incorporated into SANS 1363, Young people's shoes (stuck-on and stitch-down constructions) where it is referenced.	2020-06-09
SANS 6113	<i>Resilience of steel shanks for footwear</i>	The committee agreed to the withdrawal of the SANS 6113 and the test method will be incorporated into SANS 1363, Young people's shoes (stuck-on and stitch-down constructions) where it is referenced.	2020-06-09

**SECTION B: ISSUING OF THE SOUTH AFRICAN NATIONAL STANDARDS****SCHEDULE B.1: NEW STANDARDS**

The following standards have been issued in terms of section 24(1)(a) of the Standards Act.

Standard No. and year	Title, scope and purport
SANS 9096:2020 Ed 1	<i>Stationary source emissions- Manual determination of mass concentration of particulate matter.</i> Describes a reference method for the measurement of particulate matter (dust) concentration in waste gases of concentrations from 20 mg/m <sup>3</sup> to 1 000 mg/m <sup>3</sup> under standard conditions.
SANS 54792:2020 Ed 1	<i>Stationary source emissions - Determination of mass concentration of nitrogen oxides - Standard reference method: Chemiluminescence.</i> Specifies the standard reference method (SRM) based on the chemiluminescence principle for the determination of the nitrogen oxides (NO <sub>x</sub> ) in flue gases emitted to the atmosphere from ducts and stacks.
SANS 534-2:2020 Ed 1	<i>Vehicle security - Whole-of-vehicle marking Part 2: Microdot systems - MID requirements.</i> Describes the characteristics of unique identification carriers called microdots, designed for fitment to vehicles and the processes required to ensure the integrity, authenticity and confidentiality of the entire microdot production, supply and storage systems.
SANS 534-3:2020 Ed 1	<i>Vehicle security - Whole-of-vehicle marking Part 3: Microdot systems - Fitment under OEM control.</i> Describes method of fitment of unique identification carriers, called microdots, to new vehicles where the fitment is under OEM control.
SANS 534-4:2020 Ed 1	<i>Vehicle security - Whole-of-vehicle marking Part 4: Microdot systems - Fitment post OEM control.</i> Describes method of fitment of unique identification carriers, called microdots, to vehicles where the fitment is post OEM control.
SANS 3951-4:2020 Ed 1	<i>Sampling procedures for inspection by variables Part 4: Procedures for assessment of declared quality levels.</i> Establishes sampling plans and procedures by variables that can be used to assess whether the quality level of an entity (lot, process, etc.) conforms to a declared value.
SANS 1288:2020 Ed 4	<i>Preservative-treated timber.</i> Specifies preservative treatment requirements (other than the method of treatment) for preservative-treated timber and timber products (other than composite board products), that have an expected service life at various levels of preservative treatment which are considered to be acceptable for a range of hazard conditions.

Standard No. and year	Title, scope and purport
SANS 534-1:2020 Ed 5	<i>Vehicle security - Whole-of-vehicle marking Part 1: Microdot systems – General.</i> Describes unique identification carriers, called microdots, designed for fitment to vehicles
SANS 60076-22-1:2020 Ed 1	<i>Power transformers -Part 22-1: Power transformer and reactor fittings - Protective devices.</i> Applies to protective devices mounted on liquid-immersed power transformers in accordance with IEC 60076-1 (published in South Africa as an identical adoption under the designation SANS 60076-1) and reactors in accordance with IEC 60076-6 (published in South Africa as an identical adoption under the designation SANS 60076-6) with or without conservator for indoor or outdoor installation.
SANS 60947-9-1:2020 Ed 1	<i>Low-voltage switchgear and controlgear -Part 9-1: Active arc-fault mitigation systems - Arc quenching devices.</i> Covers low-voltage arc quenching devices, hereinafter referred to as AQDs, which are intended to eliminate arc-faults in low-voltage assemblies (typically low-voltage switchgear and controlgear assemblies in accordance with the IEC 61439 series), by creating a lower impedance current path, to cause the arcing current to transfer to the new current path.
SANS 61643-31:2020 Ed 1	<i>Low-voltage surge protective devices - Part 31: Requirements and test methods for SPDs for photovoltaic installations.</i> Applies to Surge Protective Devices (SPDs), intended for surge protection against indirect and direct effects of lightning or other transient overvoltages.
SANS 80079-38 Ed 1	<i>Explosive atmospheres - Part 38: Equipment and components in explosive atmospheres in underground mines.</i> Specifies the explosion protection requirements for the design, construction, assessment and information for use (maintenance, repair, marking) of equipment that may be an individual item or form an assembly.
SANS 10146-1:2020 Ed 1	<i>Laundry - Part 1 - Process Management.</i> Specifies the requirements for the safe, effective and efficient management of all laundry processes.
SANS 969-1:2020 Ed 1	<i>Clean-up of dangerous and non-dangerous goods incidents Part 1: Road occurrences.</i> Specifies the requirements for the effective and efficient clean-up of spills involving road vehicles transporting dangerous goods and other goods presenting hazards detrimental to and which are concerned with the safety of people, property and the environment, prompt actions of such incidents ensuring the controlling of pollution and contamination of the environment, and the minimisation of the direct and consequential effects of the incident that could cause disruption to road traffic and that normalisation be restored as soon as possible.
SANS 60794-1-22:2020 Ed 2	<i>Optical fibre cables - Part 1-22: Generic specification - Basic optical cable test procedures - Environmental test methods.</i> Defines test procedures to be used in establishing uniform requirements for the environmental performance of optical fibre cables for use with telecommunication equipment and devices employing similar techniques, and cables having a combination of both optical fibres and electrical conductors.
SANS 60076-11:2020 Ed 2	<i>Power transformers Part 11: Dry-type transformers.</i> Applies to dry-type power transformers (including auto-transformers) having values of highest voltage for equipment up to and including 36 kV and at least one winding operating at greater than 1,1 kV.
SANS 60099-6:2020 Ed 2	<i>Surge arresters Part 6: Surge arresters containing both series and parallel gapped structures - System voltage of 52 kV and less.</i> Applies to non-linear metal-oxide resistor type surge arresters with spark gaps designed to limit voltage surges on AC power circuits with system voltages $U_s$ above 1 kV up to and including 52 kV.
SANS 60287-3-2:2020 Ed 2	<i>Surge arresters Part 6: Surge arresters containing both series and parallel gapped structures - System voltage of 52 kV and less.</i> Applies to non-linear metal-oxide resistor type surge arresters with spark gaps designed to limit voltage surges on AC power circuits with system voltages $U_s$ above 1 kV up to and including 52 kV.
SANS 60934:2020 Ed 2	<i>Circuit-breakers for equipment (CBE).</i> Applies to mechanical switching devices designed as "circuit-breakers for equipment" (CBE) for household and similar applications.

Standard No. and year	Title, scope and purport
SANS 10005:2020 Ed 9	<i>The preservative treatment of timber.</i> Covers the classification of timber preservatives, hazard conditions for timber, the solvents used for timber preservatives, the preparation of timber for treatment, the various treatment processes and the use of preservative-treated timber in specific areas in South Africa
SANS 2409:2020 Ed 3	<i>Paints and varnishes - Cross-cut test.</i> Specifies a test method for assessing the resistance of paint coatings to separation from substrates when a right-angle lattice pattern is cut into the coating, penetrating through to the substrate.
SANS 13909-7:2020 Ed	<i>Hard coal and coke - Mechanical sampling Part 7: Methods for determining the precision of sampling, sample preparation and testing.</i> Develops equations that link the variables which contribute to overall sampling precision.
SANS 13909-8:2020 Ed	<i>Hard coal and coke - Mechanical sampling Part 8: Methods of testing for bias.</i> Sets out principles and procedures for testing the bias of test samples of hard coals or cokes.
SANS 60076-22-2:2020 Ed 1	<i>Power transformers -Part 22-2: Power transformer and reactor fittings - Removable radiators.</i> Applies to radiators mounted on liquid immersed power transformers according to IEC 60076-1 (published in South Africa as an identical adoption under the designation SANS 60076-1) and reactors according to IEC 60076-6 (published in South Africa as an identical adoption under the designation SANS 60076-6) with and without conservator for indoor or outdoor installation.
SANS 1812:2020 Ed 1	<i>The manufacture of washable, reusable sanitary towels.</i> Covers the requirements and test methods for washable, reusable sanitary towels for external use.
SANS 62271-109:2020 Ed 2	<i>High-voltage switchgear and controlgear Part 109: Alternating-current series capacitor by-pass switches.</i> Applies to AC series capacitor by-pass switches designed for outdoor installation and for operation at frequencies of 50 Hz and 60 Hz on systems having voltages above 52 kV.
SANS 62271-209:2020 Ed 2	<i>High-voltage switchgear and controlgear Part 209: Cable connections for gas-insulated metal-enclosed switchgear for rated voltages above 52 kV - Fluid-filled and extruded insulation cables - Fluid-filled and dry-type cable-terminations.</i> Covers the connection assembly of fluid-filled and extruded cables to gas-insulated metal enclosed switchgear (GIS), in single- or three-phase arrangements where the cable terminations are fluid-filled or dry-type and there is a separating insulating barrier between the cable insulation and the gas insulation of the switchgear.
SANS 177:2020 Ed 1	<i>Paints and varnishes - Bend test (cylindrical mandrel).</i> Specifies an empirical test procedure for assessing the resistance of a coating of paint, varnish or related product to cracking and/or detachment from a metal or plastics substrate when subjected to bending round a cylindrical mandrel under standard conditions
SANS 175:2020 Ed 3	<i>Paints and varnishes - Standard panels for testing.</i> Specifies several types of standard panels and describes procedures for their preparation prior to painting.
SANS 178:2020 Ed 3	<i>Paints, varnishes and printing inks - Determination of fineness of grind.</i> Specifies a method for determining the fineness of grind of paints, inks and related products by use of a suitable gauge, graduated in micrometres.
SANS 10320:2020 Ed 2	<i>The South African guide to the systematic evaluation of coal exploration results, coal resources and coal reserves.</i> Provides the standards, definitions and common terminology and methodology for the evaluation, estimation and reporting of all coal exploration results, inventory coal, coal resources and coal reserves.
SANS 14180:2020 Ed 2	<i>Solid mineral fuels - Guidance on the sampling of coal seams.</i> Provides guidance on methods for taking samples from coal seams in the ground, whether from exploration areas or tenements, or from operating underground or open-cut mines.

**SCHEDULE B.2: AMENDED STANDARDS**

The following standards have been amended in terms of section 24(1)(a) of the Standards Act.

<b>Standard No. and year</b>	<b>Title, scope and purport</b>
SANS 296 :2020 Ed 5.3	<i>Sodium hypochlorite solutions. Consolidated edition incorporating amendment No.3.</i> Amended to update the requirements for filter paper, and to delete the annex on notes to purchasers.
SANS 97:2020 Ed 7.3	<i>Electric cables - Impregnated paper-insulated metal-sheathed cables for rated voltages 3,3/3,3 kV to 19/33 kV (excluding pressure assisted cables). Consolidated edition incorporating amendment No.3.</i> Amended to update the requirements on the subclause on conditions of test and range of approval, and to update the designation of the annex on information on installation and performance of cable in accordance with this standard.
SANS 676:2020 Ed 3.5	<i>Reinforced concrete pressure pipes. Consolidated edition incorporating amendment No.5.</i> Amended to update the clause on requirements for materials, to update referenced standards, and to delete the appendix on notes to purchasers.
SANS 20055:2020 Ed 1.	<i>Uniform provisions concerning the approval of mechanical coupling components of combinations of vehicles. Consolidated edition incorporating amendment No.1.</i>
SANS 1853:2020 Ed 2.1	<i>Disinfectants, detergent-disinfectants and antiseptics for use in the food industry. Consolidated edition incorporating amendment No.1.</i> Amended to update referenced standards, the sub-clauses on general, and to delete the annex on notes to purchasers. This amendment is to align SANS 1853 with latest global requirements of log 5 reduction cleaning efficacy.
SANS 1905:2020 Ed 2.1	<i>Hydraulic brake and clutch fluid (DOT 3 and DOT 4). Consolidated edition incorporating amendment No.1.</i> Amended to update referenced standards, inspection and methods of test, and the footnotes on trade names.
SANS 972-2:2020 Ed 2.5	<i>Signs for street and property identification Part 2: Non-retro-reflective signs. Consolidated edition incorporating amendment No.5.</i> Amended to update the requirements for inscriptions, to update referenced standards and to delete the appendix on notes to purchasers.
SANS 1339:2020 Ed 5.2	<i>Electric cables - Cross-linked polyethylene (XLPE) insulated cables for rated voltages 3,8/6,6 kV to 19/33 kV. Consolidated edition incorporating amendment No.2.</i> Amended to update referenced standards, the requirements of the outer sheath materials, to add the subclause on the spark testing of the sheath, and to delete the annex on notes to purchasers.
SANS 1372:2020 Ed 1.4	<i>Prefabricated concrete components for fences. Consolidated edition incorporating amendment No.4.</i> Amended to update the clause on materials, and to delete the appendix on notes to purchasers.
SANS 587:2020 Ed 3.1	<i>Canned fish, canned marine molluscs and canned crustaceans, and products derived therefrom. Consolidated edition incorporating amendment No.1.</i> Amended to update the definitions and subclause numbering, to update the requirements for microbiological spoilage, to update cross references, and to update the subclauses on details required on each container or label and tests for pathogenic organisms.
SANS 630:2020 Ed 3.3	<i>Decorative high gloss enamel paints. Consolidated edition incorporating amendment No.3.</i> Amended to update referenced standards, and to delete the annex on notes to purchasers.
SANS 678:2020 Ed 3.1	<i>Primers for wood. Consolidated edition incorporating amendment No.1.</i> Amended to update referenced standards, and to delete the annex on notes to purchasers.
SANS 1518:2020 Ed 4.2	<i>Transport of dangerous goods - Design, construction, testing, approval and maintenance of road vehicles and portable tanks. Consolidated edition incorporating amendment No.2.</i> Amended to update referenced standards, and the annex on additional requirements for local use.

**SCHEDULE B.3: WITHDRAWN STANDARDS**

In terms of section 24(1)(C) of the Standards Act, the following standards have been withdrawn.

Standard No. and year	Title
SANS 1221-1:2013 Ed 1.1	<i>Skin cleansers Part 1: Detergent skin cleansers.</i>
SANS 11135-1:2008 Ed 1	<i>Sterilization of health care products - Ethylene oxide Part 1: Requirements for development, validation and routine control of a sterilization process for medical devices.</i>
SANS 51616: Ed 1	<i>Sterile urethral catheters for single use.</i>
SANS 62561-6:2020 Ed 1	<i>Lightning protection system components (LPSC) Part 6: Requirements for lightning strike counters (LSC).</i>

**SCHEDULE B.4: REINSTATEMENT OF WITHDRAWN STANDARD**

In terms of section 4(2) (l) the South African Bureau of Standards has established the following technical committees:

Draft Standard No. and Edition	Title	Scope of amendment	Reason

**SCHEDULE B.5: ESTABLISHMENT OF TECHNICAL COMMITTEES**

In terms of section 4(2) (l) the South African Bureau of Standards has established the following technical committees:

If your organization is interested in participating in these committees, please send an e-mail to [Dsscomments@sabs.co.za](mailto:Dsscomments@sabs.co.za) for more information.

**SCHEDULE 5: ADDRESS OF THE SOUTH AFRICAN BUREAU OF STANDARDS HEAD OFFICE**

Copies of the standards mentioned in this notice can be obtained from the Head Office of the South African Bureau of Standards at 1 Dr Lategan Road, Groenkloof, Private Bag X191, Pretoria 0001.