

DEPARTMENT OF TRADE, INDUSTRY AND COMPETITION

NOTICE 413 OF 2021

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 African 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 289 Ed 2	<i>Labelling requirements for prepackaged products (prepackages) and general requirements for the sale of goods subject to legal metrology control.</i> Covers requirements for the labelling of prepackaged products with respect to a) the identity of the product, b) the name and place of business of the manufacturer, packer, distributor, importer or retailer, and c) the net quantity of the product.	2021-08-22
SANS 61158-3-14 Ed 1	<i>Industrial communication networks – Fieldbus specifications – Part 3-14: Data-link layer service definition – Type 14 elements.</i> Provides common elements for basic time-critical messaging communications between devices in an automation environment.	2021-08-19
SANS 1983 Ed 1	<i>Liquid applied acrylic coating used in roofing.</i> Covers liquid-applied water-dispersed acrylic latex elastomeric protective roof coatings.	2021-08-19
SANS 61158-3-18 Ed 1	<i>Industrial communication networks – Fieldbus specifications – Part 3-18: Data-link layer service definition – Type 18 elements.</i> Provides common elements for basic time-critical and non-time-critical messaging communications between devices in an automation environment and material specific to Type 18 fieldbus.	2021-08-23
SANS 61158-3-19 Ed 1	<i>Industrial communication networks – Fieldbus specifications – Part 3-19: Data-link layer service definition - Type 19 elements.</i> Provides common elements for basic time-critical messaging communications between devices in an automation environment.	2021-08-23
SANS 10083 Ed 6	<i>The measurement and assessment of occupational noise for hearing conservation purposes.</i> Covers the measurement and rating of a working environment for hearing conservation purposes, the physical demarcation of an area where hearing conservation measures have to be applied, and medical surveillance.	2021-08-23
SANS 25041 Ed 1	<i>Systems and software engineering – Systems and software Quality Requirements and Evaluation (SQuaRE) - Evaluation guide for developers, acquirers and independent evaluators.</i> Provides requirements, recommendations and guidelines for product quality evaluation specifically for developers, acquirers and independent evaluators.	2021-08-23
SANS 60034-19 Ed 2	<i>Rotating electrical machines – Part 19: Specific test methods for d.c. machines on conventional and rectifier-fed supplies.</i> Applies to d.c. machines rated 1 kW and above operating on rectifier-fed power supplies, d.c. buses or other d.c. sources..	2021-08-23
SANS 60076-22-6 Ed 1	<i>Power transformers – Part 22-6: Power transformer and reactor fittings - Electric fans for transformers.</i> Covers the electric fans used in the cooling circuits of power transformers and reactors.	2021-08-23
SANS 62271-104 Ed 3	<i>High-voltage switchgear and controlgear –Part 104: Alternating current switches for rated voltages higher than 52 Kv.</i> Applies to three-pole alternating current switches for rated voltages higher than 52 kV, having making and breaking current ratings, for indoor and outdoor installations, and for rated frequencies up to and including 60 Hz.	2021-08-23

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 10160-5 Ed 1.2	<i>Basis of structural design and actions for buildings and industrial structures Part 5: Basis for geotechnical design and actions</i>	Amended to correct the design resistance of spread footings on un-drained clay for vertical, concentric loading equation, to clearly distinguish dotted lines from solid lines in certain figures, to add the moisture content assumed above water table, to adjust GEO Limit State and STR-STR-P Limit State values, to clarify certain notes and to also correct symbols in the standard.	2021-08-19
SANS 10254 Ed 4.2	<i>The installation, maintenance, replacement and repair of fixed electric storage water heating systems</i>	Amended to update definition for professional body for plumbers.	2021-08-24
SANS 61850-9-2 Ed 1.1	<i>Communication networks and systems for power utility automation –Part 9-2: Specific communication service mapping (SCSM) - Sampled values over ISO/IEC 8802-3</i>	Amended to update the referenced standards, and abbreviations, to update the clauses communication stack, mapping of the model for the transmission of sampled values, synchronization, conformance, SCSM specific address element definitions, to update the annexes on ISO/IEC/IEEE 8802-3 frame format and ASN.1 basic encoding rules, multicast address selection, and to add the annex on compatibility of the different revisions of this standard.	2021-08-23
SANS 60335-2-8 Ed 3.1	<i>Household and similar electrical appliances – Safety –Part 2-8: Particular requirements for shavers, hair clippers and similar appliances</i>	Amended to update the marking and instructions and components requirements.	2021-08-23

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 withdraw them.

Draft Standard No. and edition	Title	Reason for withdrawal	Closing Date

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 62386-222:2021 Ed 1	<i>Digital addressable lighting interface -Part 222: Particular requirements for control gear – Thermal lamp protection (device type 21).</i> Specifies a bus system for control by digital signals of electronic lighting equipment which is in line with the requirements of IEC 61347 (all parts), with the addition of DC supplies.
SANS 15874-1:2021 Ed 2	<i>Plastics piping systems for hot and cold water installations – Polypropylene (PP) –Part 1: General.</i> Specifies the general aspects of polypropylene (PP) 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.
SANS 11890-1:2021 Ed 2	<i>Paints and varnishes – Determination of volatile organic compound (VOC) content Part 1: Difference method.</i> Deals with the sampling and testing of paints, varnishes and related products, and specifies a method for the determination of the volatile organic compound (VOC) content of paints, varnishes and their raw materials.
SANS 12174:2021 Ed 3	<i>Chemicals used for treatment of water intended for human consumption - Sodium hexafluorosilicate.</i> Describes the characteristics of sodium hexafluorosilicate and specifies the requirements and the corresponding test methods for sodium hexafluorosilicate, and gives information on its use in water treatment.
SANS 4731:2021 Ed 1	<i>Essential Oil of geranium (Pelargonium x spp.).</i> Specifies certain characteristics of essential oil of geranium (Pelargonium × spp.) coming from different Pelargonium species commonly known as Pelargonium graveolens, in order to facilitate assessment of its quality.
SANS 62386-105:2021 Ed 1	<i>Digital addressable lighting interface – Part 105: Particular requirements for control gear and control devices - Firmware transfer.</i> Applies to control gear and control devices.
SATS 62898-2:2021 Ed 1	<i>Microgrids – Part 2: Guidelines for operation.</i> Provides guidelines for operation of microgrids.
SANS 68:2021 Ed 2	<i>Single-use sterile rubber surgical gloves – Specification.</i> Specifies requirements for packaged sterile rubber gloves intended for use in surgical procedures to protect the patient and the user from cross-contamination.
SANS 15237:2021 Ed 2	<i>Solid mineral fuels – Determination of total mercury content of coal.</i> Specifies a procedure for the determination of the total mercury content of coal.
SANS 15874-2:2021 Ed 2	<i>Plastics piping systems for hot and cold water installations – Polypropylene (PP) – Part 2: Pipes.</i> Specifies the requirements of pipes made from polypropylene (PP) 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 operating pressures and temperatures appropriate to the class of application.
SANS 15874-3:2021 Ed 2	<i>Plastics piping systems for hot and cold water installations – Polypropylene (PP) – Part 3: Fittings.</i> Specifies the characteristics of fittings for polypropylene (PP) 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.

Standard No. and year	Title, scope and purport
SANS 15874-5:2021 Ed 2	<i>Plastics piping systems for hot and cold water installations - Polypropylene (PP) Part 5: Fitness for purpose of the system.</i> Specifies the characteristics of the fitness for purpose of polypropylene (PP) 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.
SANS 62442-2:2021 Ed 2	<i>Energy performance of lamp controlgear Part 2: Controlgear for high intensity discharge lamps (excluding fluorescent lamps) – Method of measurement to determine the efficiency of the controlgear.</i> Defines a measurement method of the power losses of electromagnetic controlgear, the total input power and the standby power of electronic controlgear for high intensity discharged lamps (excluding fluorescent lamps).
SANS 53704:2021 Ed 2	<i>Chemical disinfectants - Quantitative suspension test for the evaluation of sporicidal activity of chemical disinfectants used in food, industrial, domestic, and institutional areas - Test method and requirements (phase 2, step 1).</i> Specifies a test method (phase 2/step 1) and the minimum requirements for sporicidal activity of chemical disinfectant products that form a homogeneous, physically stable preparation in hardwater and that are used in food, industrial, domestic and institutional areas, excluding areas and situations where disinfection is medically indicated and excluding products used on living tissues except those for hand hygiene in the above considered areas.

SCHEDULE B.2: AMENDED STANDARDS

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

Standard No. and year	Title, scope and purport
SANS 1875:2021 Ed 1.2	<i>Edible oils. Consolidated edition incorporating amendment No.2.</i> Amended to update referenced standards, to move references to legislation to the foreword, to update the requirements for the product, and to delete the annex on notes to purchasers.
SANS 1808-45:2021 Ed 1.4	<i>Water supply and distribution system components – Part 45: Pipe repair clamps. Consolidated edition incorporating amendment No.4.</i> Amended to delete the annex on notes to purchasers.
SANS 10198-2 2021 Ed 2.1	<i>The selection, handling and installation of electric power cables of rating not exceeding 33 kV – Part 2: Selection of cable type and methods of installation. Consolidated edition incorporating amendment No.1.</i> Amended to delete reference to legislation, to change reference from "Telkom" to "telecommunications company", and to update referenced standards.
SANS 10249:2021 Ed 1.3	<i>Masonry walling. Consolidated edition incorporating amendment No.3.</i> Amended to update referenced standards, and to move reference to legislation to the foreword.
SANS 60034-18-42:2021 Ed 1.1	<i>Rotating electrical machines – Part 18-42: Partial discharge resistant electrical insulation systems (Type II) used in rotating electrical machines fed from voltage converters - Qualification tests. Consolidated edition incorporating amendment No.1.</i> Amended to update terms and definitions, to update the clauses on machine terminal voltages arising from converter operation, qualification of turn insulation, preparation of test objects, qualification test procedures, qualification test pass criteria, and to update the annexes on derivation of the impulse voltage insulation class for the machine insulation, derivation of an IVIC in the absence of a manufacturer's reference life line, and on operational screening tests.
SANS 60335-2-52:2021 Ed 3.2	<i>Household and similar electrical appliances – Safety Part 2-52: Particular requirements for oral hygiene appliances. Consolidated edition incorporating amendment No.2.</i> Amended to update referenced standards, the clause on heating, and the clause on radiation, toxicity and similar hazards.

SANS 60335-2-64:2021 Ed 2.2	<i>Household and similar electrical appliances - Safety – Part 2-64: Particular requirements for commercial electric kitchen machines. Consolidated edition incorporating amendment No.2. Amended to update the scope, referenced standards, terms and definitions, general conditions for the tests, a requirement on marking and instructions, clauses on leakage current and electric strength at operating temperature, moisture resistance, leakage current and electric strength, abnormal operation, stability and mechanical hazards, construction, supply connection and flexible cords, screws and connections, resistance to heat and fire, and to add a clause on leakage current and electric strength at operating temperature.</i>
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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 10188:2008 Ed 2.1	<i>Standard methods of garment measurement.</i>
SANS 12402-1:2007 Ed 1	<i>Personal flotation devices – Part 1: Lifejackets for seagoing ships - Safety requirements.</i>

SCHEDULE B4: DISBAND OF TECHNICAL COMMITTEES

Committee No	Title	Scope

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

SCHEDULE B5: 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.