

## DEPARTMENT OF TRADE, INDUSTRY AND COMPETITION

## NOTICE 2030 OF 2023

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 11925-2 Ed 2	<i>Reaction to fire tests – Ignitability of products subjected to direct impingement of flame – Part 2: Single-flame source test.</i> Specifies a method of test for determining the ignitability of products by direct small flame impingement under zero impressed irradiance using vertically oriented test specimens.	2023-10-31
SANS 1743 Ed 2	<i>Reaction to fire tests for products – Determination of the gross heat of combustion – calorific value.</i> Specifies a method for the determination of the gross heat of combustion of products at constant volume in a bomb calorimeter.	2023-10-31
SANS 11820 Ed 3	<i>Reaction to fire tests for products – Non-combustibility test.</i> Specifies a method of test for determining the non-combustibility performance, under specified conditions, of homogeneous products and substantial components of non-homogeneous building products.	2023-10-31
SANS 1475-2 Ed 5	<i>The production of reconditioned fire-fighting equipment – Part 2: Fire hose reels and hydrants.</i> Specifies the procedures that apply to the effective reconditioning of fire hose reels and above-ground fire hydrants.	2023-10-31
SANS 51992-1-1 Ed 1	<i>Eurocode 2: The design of concrete structures – Part 1-1: General rules and rules for buildings.</i> Gives a general basis for the design of structures in plain, reinforced and prestressed concrete made with normal and light weight aggregates together with specific rules for buildings.	2023-10-31
SANS 60793-1-31 Ed 3	<i>Optical fibres – Part 1-31: Measurement methods and test procedures – Tensile strength.</i> Provides values of the tensile strength under dynamic loading of optical fibre samples.	2023-10-28
SANS 21307 Ed 2	<i>Plastics pipes and fittings – Butt fusion jointing procedures for polyethylene (PE) piping systems.</i> Outlines general principles regarding the procedure used in the construction and quality assessment of butt fusion jointing of polyethylene (PE) piping system components specified in accordance with relevant ISO standards.	2023-10-30
SATR 61000-4-1 Ed 1	<i>Electromagnetic compatibility (EMC) – Part 4-1: Testing and measurement techniques – Overview of IEC 61000-4 series.</i> Gives information and guidance on the EMC basic standards and other basic EMC documents published in the IEC 61000-4 series.	2023-10-28
SANS 62614-1 Ed 1	<i>Fibre optics – Multimode launch conditions – Part 1: Launch condition requirements for measuring multimode attenuation.</i> Describes the launch condition requirements used for measuring multimode attenuation in passive components and in installed cable plants.	2023-10-28
SANS 60335-2-49 Ed 5	<i>Household and similar electrical appliances – Safety – Part 2-49: Particular requirements for commercial electric appliances for keeping food and crockery warm.</i> Deals with the safety of electrically operated commercial appliances for keeping food and crockery warm, their rated voltage being not more than 250 V for single phase appliances connected between one phase and neutral, and 480 V for other appliances.	2023-10-30
SANS 18033-1 Ed 3	<i>Information security – Encryption algorithms – Part 1: General.</i> Provides definitions that apply in subsequent parts of the ISO/IEC 18033 series.	2023-10-31
SANS 62282-7-2 Ed 1	<i>Fuel cell technologies – Part 7-2: Test methods – Single cell and stack performance tests for solid oxide fuel cells (SOFC).</i> Applies to SOFC cell/stack assembly units, testing systems, instruments and measuring methods, and specifies test methods to test the performance of SOFC cells and stacks.	2023-10-30

SANS 10373-6 Ed 3	<i>Cards and security devices for personal identification – Test methods – Part 6: Contactless proximity objects.</i> Defines test methods for characteristics of identification cards.	2023-10-30
SANS 60086-2 Ed 8	<i>Primary batteries – Part 2: Physical and electrical specifications.</i> Applies to primary batteries which are based on standardised electrochemical systems.	2023-10-30
SANS 60086-1 Ed 7	<i>Primary batteries – Part 1: General.</i> Intended to standardise primary batteries with respect to dimensions, nomenclature, terminal configurations, markings, test methods, typical performance, safety and environmental aspects.	2023-10-30
SANS 60143-4 Ed 1	<i>Series capacitors for power systems – Part 4: Thyristor controlled series capacitors.</i> Specifies testing of thyristor controlled series capacitor (TCSC) installation used in series with transmission lines.	2023-10-30
SANS 63086-1 Ed 2	<i>Household and similar electrical air cleaning appliances – Methods for measuring the performance – Part 1: General requirements.</i> Applies to electrically powered household and similar air cleaners intended for use on rated single-phase AC input voltage circuits not exceeding 250 V and DC input voltage circuits not exceeding 48 V.	2023-10-30
SANS 62196-3 Ed 2	<i>Plugs, socket-outlets, vehicle connectors and vehicle inlets – Conductive charging of electric vehicles – Part 3: Dimensional compatibility and interchangeability requirements for d.c. and a.c./d.c. pin and contact-tube vehicle couplers.</i> Applies to vehicle couplers with pins and contact-tubes of standardized configuration intended for use in electric vehicle conductive charging systems which incorporate control means, with rated operating voltage up to 1 500 V d.c and rated current up to 250 A, and 1 000 V a.c and rated current up to 250 A.	2023-10-30
SANS 62196-2 Ed 3	<i>Plugs, socket-outlets, vehicle connectors and vehicle inlets – Conductive charging of electric vehicles – Part 2: Dimensional compatibility requirements for AC pin and contact-tube accessories.</i> Applies to plugs, socket-outlets, vehicle connectors and vehicle inlets with pins and contact-tubes of standardized configurations, herein referred to as accessories.	2023-10-30
SANS 60794-1-2 Ed 4	<i>Optical fibre cables – Part 1-2: Generic specification – Basic optical cable test procedures – General guidance.</i> Applies to optical fibre cables for use with telecommunications equipment and devices employing similar techniques, and to cables having a combination of both optical fibres and electrical conductors.	2023-10-30
SANS 60086-4 Ed 5	<i>Primary batteries – Part 4: Safety of lithium batteries.</i> Specifies tests and requirements for primary lithium batteries to ensure their safe operation under intended use and reasonably foreseeable misuse.	2023-10-30

## 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 1050-1 Ed 1.1	<i>Laboratory controlled environments – Part 1: Microbiological safety cabinets – Class I.</i>	Amended to modify requirements on performance.	2023-10-22
SANS 2220-2-6 Ed 1.3	<i>Electrical security systems – Part 2-6: Access control systems – Access cards.</i>	Amended to update referenced standards.	2023-10-31
SANS 10222-5-1-1 Ed 1.2	<i>Electrical security installations – Part 5-1-1: CCTV installations – CCTV surveillance systems for use in security applications – Operational requirements.</i>	Amended to delete the clause on tender based on operational requirements.	2023-10-31
SANS 1005 Ed 2.6	<i>Innerspring mattresses.</i>	Amended to delete the appendix on notes to purchasers, and to update referenced standards.	2023-10-31
SANS 1418-2 Ed 1.8	<i>Aerial bundled conductor systems – Part 2: Assembled insulated conductor bundles.</i>	Amended to delete the appendix on notes to purchasers.	2023-11-02

SANS 10222-5-1-3 Ed 1.2	<i>Electrical security installations – Part 5-1-3: CCTV installations – CCTV surveillance systems for use in security applications – Installation, planning and implementation requirements.</i>	Amended to update the clause on typical surge protection devices.	2023-11-02
SANS 10222-5-1-4 Ed 1.2	<i>Electrical security installations – Part 5-1-4: CCTV installations – CCTV surveillance systems for use in security applications – Testing, commissioning and hand-over requirements.</i>	Amended to replace 'tender' with 'purchase'.	2023-11-02
SANS 868-3-3 Ed 1.2	<i>Compression-ignition engine systems and machines powered by such engine systems, for use in mines and plants with explosive gas atmospheres or explosive dust atmospheres or both – Part 3-3: Hazardous locations on surface – Machines.</i>	Amended to update the clause on testing and certification of surface-based machines with compression-ignition engines, the clause on marking.	2023-11-02
SANS 868-3-1 Ed 1.2	<i>Compression-ignition engine systems and machines powered by such engine systems, for use in mines and plants with explosive gas atmospheres or explosive dust atmospheres or both – Part 3-1: Hazardous locations on surface – Basic explosion-protected engines.</i>	Amended to remove reference to certification mark and product certification scheme.	2023-11-02

## 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

## SCHEDULE A.3: WITHDRAWAL OF INFORMATIVE AND NORMATIVE DOCUMENTS

In terms of section 24(5) of the Standards Act, the following documents are being considered for withdrawal.

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

Standard No. and year	Title, scope and purport
SANS 60433:2023 Ed 1	<i>Insulators for overhead lines with a nominal voltage above 1 000 V – Ceramic insulators for AC systems – Characteristics of insulator units of the long rod type.</i> Applies to string insulator units of the long rod type with insulating parts of ceramic material intended for use in AC overhead power lines with a nominal voltage greater than 1 000 V and a frequency not greater than 100 Hz.
SANS 60534-4:2023 Ed 1	<i>Industrial-process control valves – Part 4: Inspection and routine testing.</i> Specifies the requirements for the inspection and routine testing of control valves manufactured in conformity with the other parts of IEC 60534.
SANS 62056-8-4:2023 Ed 1	<i>Electricity metering data exchange – The DLMS/COSEM suite – Part 8-4: Communication profiles for narrow-band OFDM PLC PRIME neighbourhood networks.</i> Specifies DLMS/COSEM communication profiles for narrow-band OFDM power line carrier PRIME neighbourhood networks using the modulation as specified in Recommendation ITU-T G.9904:2012.
SANS 62056-8-5:2023 Ed 1	<i>Electricity metering data exchange – The DLMS/COSEM suite – Part 8-5: Narrow-band OFDM G3-PLC communication profile for neighbourhood networks.</i> Specifies the IEC 62056 DLMS/COSEM communication profile for metering purposes based on the Recommendations ITU-T G.9901: Narrowband orthogonal frequency division multiplexing power line communication transceivers – Power spectral density specification and ITU-T G.9903:2014, Narrowband orthogonal frequency division multiplexing power line communication transceivers for G3-PLC networks, an Orthogonal Frequency Division Multiplexing (OFDM) Power Line Communications (PLC) protocol.
SANS 62832-3:2023 Ed 1	<i>Industrial-process measurement, control and automation – Digital Factory framework – Part 3: Application of Digital Factory for life cycle management of production systems.</i> Specifies rules of the Digital Factory framework for managing information of a production system throughout its life cycle.
SANS 62885-5:2023 Ed 1	<i>Surface cleaning appliances – Part 5: High pressure cleaners and steam cleaners for household and commercial use – Methods for measuring performance.</i> Lists the characteristic performance parameters for high pressure cleaners and steam cleaners in accordance with IEC 60335-2-79 (published in South Africa as an identical adoption under the designation SANS 60335-2-79).
SANS 2084:2023 Ed 1	<i>Menstrual cups – Design, performance, packing and marking requirements.</i> Covers the materials, design, performance, packaging and marking requirements for menstrual cups.
SANS 51436:2023 Ed 1	<i>Road Marking Materials – Road Marking Performance for road users and test methods.</i> Specifies the performance for road users of white and yellow road markings, as expressed by their reflection in daylight or under road lighting, retroreflection in vehicle headlamp illumination, colour and skid resistance.
ARP 0111:2023 Ed 1	<i>Net zero guidelines.</i> Provides guiding principles and recommendations to enable a common, global approach to achieving net zero greenhouse gas emissions through alignment of voluntary initiatives and adoption of standards, policies and national and international regulation.
SATS 19139-1:2023 Ed 1	<i>Geographic Information – XML schema implementation – Part 1: encoding rules.</i> Defines XML based encoding rules for conceptual schemas specifying types that describe geographic resources.

Standard No. and year	Title, scope and purport
SANS 60079-13:2023 Ed 3	<i>Explosive atmospheres – Part 13: Equipment protection by pressurized room "p".</i> Gives requirements for the design, construction, assessment, verification and marking of rooms used to protect internal equipment: located in a Zone 1 or Zone 2 or Zone 21 or Zone 22 explosive atmosphere (an area normally requiring an equipment protection level (EPL) Gb, Gc, Db or Dc) without an internal source of gas/vapour release and protected by pressurization; located in a Zone 2 explosive atmosphere (an area normally requiring EPL Gc) with or without an internal source of gas/vapour release and protected by artificial ventilation; located in a non-hazardous area, containing an internal source of gas/vapour release and protected by artificial ventilation.
SANS 60335-1:2023 Ed 4	<i>Household and similar electrical appliances – Safety – Part 1: General requirements.</i> Deals with the safety of electrical appliances for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances including direct current (DC) supplied appliances and battery-operated appliances.
SANS 60884-1:2023 Ed 3	<i>Plugs and socket-outlets for household and similar purposes – Part 1: General requirements.</i> Applies to plugs and fixed or portable socket-outlets for a.c. only, with or without earthing contact, with a rated voltage greater than 50 V but not exceeding 440 V and a rated current not exceeding 32 A, intended for household and similar purposes, either indoors or outdoors.
SANS 60947-5-8:2023 Ed 2	<i>Low-voltage switchgear and controlgear – Part 5-8: Control circuit devices and switching elements – Three-position enabling switches.</i> Specifies requirements for three-position enabling switches.
SANS 62612:2023 Ed 1.2	<i>Self-ballasted LED lamps for general lighting services with supply voltages &gt; 50 V – Performance requirements.</i> Specifies the performance requirements, together with the test methods and conditions, required to show compliance of LED lamps with integral means for stable operation, intended for domestic and similar general lighting purposes, having: a rated power up to 60 W; a rated voltage of > 50 V a.c. up to 250 V a.c.; a lamp cap as listed in IEC 62560 (published in South Africa as an identical adoption under the designation SANS 62560).
SANS 61672-2:2023 Ed 2	<i>Electroacoustics – Sound level meters – Part 2: Pattern evaluation tests.</i> Provides details of the tests necessary to verify conformance to all mandatory specifications given in IEC 61672-1 (published in South Africa as an identical adoption under the designation SANS 61672-1) for time-weighting sound level meters, integrating-averaging sound level meters, and integrating sound level meters.
SANS 10118:2023 Ed 4	<i>The aerial application of pesticides.</i> Specifies the procedure for the safe aerial application of pesticides and fertilizers for food and fibre production, and covers requirements for commercial and non-commercial operations, landing sites, protection of pilot and ground personnel and the associated health precautions, registration holder of the pesticides, chemical distributor, client and the aerial application company.
SANS 51650:2023 Ed 3	<i>Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic, and institutional areas – Test method and requirements (phase 2, step 1).</i> Specifies a test method and the minimum requirements for fungicidal or yeasticidal activity of chemical disinfectant and antiseptic products that form a homogeneous, physically stable preparation when diluted with hard water or, in the case of ready-to-use-products, with water.
SANS 17043:2023 Ed 2	<i>Conformity assessment – General requirements for the competence of proficiency testing providers.</i> Specifies general requirements for the development, operation, and competence of providers of proficiency testing schemes.

## 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
ARP 061:2023 Ed 1.2	<i>Procurement guide for large cage and wound-rotor induction motors of medium voltage. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
ARP 0110:2023 Ed 1.1	<i>Installation and maintenance of luminaires for Ultraviolet Germicidal Irradiation (UVGI). Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 1029:2023 Ed 3.2	<i>Miniature substations for rated a.c. voltages up to and including 24 kV. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards, and the annexes on model form for schedules A and B, and on drawings.
SANS 1515-3-1:2023 Ed 1.1	<i>Gas measuring equipment primarily for use in mines – Part 3-1: Battery-operated, portable, toxic gas measuring instruments and warning devices. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards, to remove reference to the certification mark, to update the requirements specific to SANS 1515 (table 1), general requirements, marking, and the annex on assessment of compliance with SANS 1515.
SANS 10086-1:2023 Ed 4.2	<i>The installation, inspection and maintenance of equipment used in explosive atmospheres – Part 1: Installations including surface installations on mines. Consolidated edition incorporating amendment No. 2.</i> Amended to update the foreword, referenced standards, the clause on requirements, and the annex on overview of requirements for installations in explosive atmospheres.
SANS 10114-1:2023 Ed 4.1	<i>Interior lighting – Part 1: Artificial lighting of interiors. Consolidated edition incorporating amendment No. 1.</i> Amended to update the table on minimum maintained illuminance values.
SANS 62271-102:2023 Ed 2.1	<i>High-voltage switchgear and controlgear – Part 102: Alternating current disconnectors and earthing switches. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards, and the requirements on type tests.
SATS 1706:2023 Ed 1.1	<i>UVGI Luminaires – Safety and performance requirements. Consolidated edition incorporating amendment No. 1.</i> Amended to delete the annex on notes to purchasers, and to update referenced standards.
SANS 543:2023 Ed 5.2	<i>Fire hose reels (with semi-rigid hose). Consolidated edition incorporating amendment No. 2.</i> Amended to update the clause on hose, to delete the clause on identification symbols, and to update the clause on inspection and methods of test.
SANS 3001-GR50:2023 Ed 1.2	<i>Civil engineering test methods – Part GR50: Preparation, compaction and curing of specimens of laboratory mixed cementitious stabilized materials. Consolidated edition incorporating amendment No. 2.</i> Amended to update the introduction and referenced standards, to update the clause on apparatus, to include a new table on water classification and quality requirements, to update the clause on test sample preparation, and to amend the formulae in the annex on calculation of the compaction mould factor by determining the volume.
SANS 3001-GR10:2023 Ed 1.3	<i>Civil engineering test methods – Part GR10: Determination of the one-point liquid limit, plastic limit, plasticity index and linear shrinkage. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards.
SANS 149:2023 Ed 2.5	<i>Absorbent cotton wool and cotton-and-viscose wool products. Consolidated edition incorporating amendment No. 5.</i> Amended to delete the annex on notes to purchasers.
SANS 421:2023 Ed 5.4	<i>The production of men's shoes (Goodyear welted with stitched or stuck-on outer soles). Consolidated edition incorporating amendment No. 4.</i> Amended to update referenced standards, and to delete the annex on notes to purchasers.
SANS 1347:2023 Ed 1.1	<i>Paper carry bags. Consolidated edition incorporating amendment No. 1.</i> Amended to delete the annex on notes to purchasers, and to update marking requirements.
SANS 1118-3:2023 Ed 3.4	<i>School clothing – Part 3: Trousers and shorts. Consolidated edition incorporating amendment No. 4.</i> Amended to delete the annex on notes to purchasers.
SANS 1423-1:2023 Ed 1.3	<i>Performance requirements for textile fabrics of low flammability – Part 1: Apparel fabrics. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards, and to delete the annex on notes to purchasers.

SANS 1604:2023 Ed 1.2	<i>Biologically enhanced cleaning, degreasing and waste treatment products. Consolidated edition incorporating amendment No. 2.</i> Amended to update the title, the scope, cross references to national legislation, to remove a reference to legislation from the foreword, definitions, product specific requirements, methods of test, packaging and labelling, and the annex on cleaning efficiency.
SANS 1822:2023 Ed 1.3	<i>Slide fasteners. Consolidated edition incorporating amendment No. 3.</i> Amended to delete the annex on notes to purchasers.
SANS 5449:2023 Ed 3.1	<i>Dimensional changes of made-up textile articles. Consolidated edition incorporating amendment No. 1.</i> Amended to delete the annex on notes to purchasers/ users.
SANS 2220-2-2:2023 Ed 1.3	<i>Electrical security systems – Part 2-2: Access control systems: Central processor. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards.
SANS 588:2023 Ed 4.2	<i>Woollen overcoating. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards, and to delete the annex on notes to purchasers.

### 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 62053-31:2015 Ed 1	<i>Electricity metering equipment (a.c.) – Particular requirements – Part 31: Pulse output devices for electromechanical and electronic meters (two wires only).</i>
SANS 1925:2008 Ed 1.1	<i>Uniform provisions concerning the approval for the production of retreaded pneumatic tyres for commercial vehicles and their trailers.</i>
SANS 1926:2008 Ed 1.1	<i>Uniform provisions concerning the approval for the production of retreaded pneumatic tyres for motor vehicles and their trailers.</i>

### SCHEDULE B4: ESTABLISHMENT OF TECHNICAL COMMITTEES

In terms of the South African Norm for the development of South African National Standards, the following technical committee has been established:

Committee No.	Title	Scope

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 B5: RETRACTION OF PREVIOUSLY GAZETTED ITEMS

Notice is hereby given that the following standards gazetted for public enquiry have been retracted.

Standard No.	Title	Scope	Date gazetted

### SCHEDULE B6: GENERAL

Notice is hereby given that the following standards/draft standard have been renumbered.

Standard/draft No.	Title	Scope	New number/designation

### SCHEDULE B7: 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.