

## DEPARTMENT OF TRADE, INDUSTRY AND COMPETITION

## NOTICE 896 OF 2022

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 19426-2 Ed 1	<i>Structures for mine shafts – Part 2: Headframe structures.</i> Specifies the design loads and the design procedures for the structural design of headframe structures of mine shafts and their components for permanent and sinking operations.	2022-04-15
SANS 19426-3 Ed 1	<i>Structures for mine shafts – Part 3: Sinking stages.</i> Specifies the design loads and the design procedures for the structural design of stages and components of stages. The loads specified in this document are not applicable for the design of stage ropes or sheaves.	2022-04-15
SANS 19426-4 Ed 1	<i>Structures for mine shafts – Part 4: Conveyances.</i> This document specifies the loads, the load combinations and the design procedures for the design of the steel and aluminium alloy structural members of conveyances used for the transport of personnel, materials, equipment and rock in vertical and decline shafts..	2022-04-15
SANS 19426-5 Ed 1	<i>Structures for mine shafts – Part 5: Shaft system structures.</i> Specifies the loads, the load combinations and the design procedures for the design of shaft system structures in both vertical and decline shafts.	2022-04-15
SANS 60214-1 Ed 1	<i>Tap-changers – Part 1: Performance requirements and test methods.</i> Applies to on-load tap-changers of both resistor and reactor types, de-energized tap-changers, and their motor-drive mechanisms.	2022-04-21
SANS 63235 Ed 1	<i>Smart city system – Methodology for concepts building.</i> Provides a holistic system of systems approach to provide views, methodology framework, principles, processes, rules, and evaluation criteria for smart city system concepts building.	2022-04-21
SANS 22329 Ed 1	<i>Security and resilience – Emergency management – Guidelines for the use of social media in emergencies.</i> Gives guidance on the use of social media in emergency management. It gives guidance on how organizations and the public can use, and interact through, social media before, during and after an incident as well as how social media can support the work of emergency services.	2022-04-22
SANS 50071-1 Ed 2	<i>Safety of toys – Part 1: Mechanical and physical properties.</i> Specifies requirements and methods of tests for mechanical and physical properties of toys.	2022-04-29
SANS 50071-2 Ed 2	<i>Safety of toys – Part 2: Flammability.</i> Specifies the categories of flammable materials which are prohibited in all toys, and requirements concerning flammability of certain toys when they are subjected to a small source of ignition.	2022-04-29
SANS 50071-3 Ed 2	<i>Safety of toys – Part 3: Migration of certain elements.</i> Specifies requirements and test methods for the migration of aluminium, antimony, arsenic, barium, boron, cadmium, Chromium (III), Chromium (VI), cobalt, copper, lead, manganese, mercury, nickel, selenium, strontium, tin, organic tin and zinc from toy materials and from parts of toys.	2022-04-29

SANS 50071-4 Ed 2	<i>Safety of toys – Part 4: Experimental sets for chemistry and related activities.</i> Specifies requirements for the maximum amount, and in some cases, the maximum concentration of certain substances and mixtures used in experimental sets for chemistry and related activities.	2022-04-29
SANS 50071-5 Ed 2	<i>Safety of toys – Part 5: Chemical toys (sets) other than experimental sets.</i> Specifies requirements and test methods for the substances and materials used in chemical toys (sets) other than experimental sets.	2022-04-29
SANS 50071-14 Ed 2	<i>Safety of toys – Part 14: Trampolines for domestic use.</i> Specifies requirements and test methods for trampolines for domestic use, their access devices and their enclosures, intended for outdoor and/or indoor use by one person at a time.	2022-04-29
SANS 2239 Ed 1	<i>Adansonia digitata L. (baobab) seed oil.</i> Applies to <i>Adansonia digitata L. (baobab) seed oil</i> suitable for cosmetic use.	2022-04-29
SANS 532 Ed 2	<i>Specifications for industrial, medical, propellant, food and beverage gases, refrigerants and breathing gases.</i> Defines specifications for industrial gases, medical gases, propellant gases, food and beverage gases, refrigerants and non-medical breathing gases.	2022-04-22
SANS 19426-1 Ed 1	<i>Structures for mine shafts – Part 1: Vocabulary.</i> Specifies the terms and definitions related to the structures for mine shafts, used throughout ISO 19426 and these ISO standards (ISO 19426-2, ISO 19426-3, ISO 19426-4 and ISO 19426-5) are adoptions of SANS 10208 series of standards.	2022-04-22
SANS 60730-2-11 Ed 3	<i>Automatic electrical controls for household and similar use – Part 2-11: Particular requirements for energy regulators.</i> Applies to the inherent safety, to the operating values, operating times and operating sequence where these are associated with equipment safety, and to the testing of automatic electrical energy regulator devices used in, or in association with, equipment; and applies to energy regulators for appliances within the scope of IEC 60335-1.	2022-04-21
SANS 61010-2-032 Ed 3	<i>Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-032: Particular requirements for hand-held and hand-manipulated current sensors for electrical test and measurement.</i> Specifies safety requirements for HAND-HELD and hand-manipulated current sensors for measuring, detecting or injecting current, or indicating current waveforms on circuits without physically opening the current path of the circuit being measured.	2022-04-21
SANS 63152 Ed 1	<i>Smart cities – City service continuity against disasters – The role of the electrical.</i> Establishes concepts and gives guidelines to help sustain a variety of city services on the occasion of a disaster from the perspective of providing electricity; and outlines the basic concepts on how multiple city services can cooperate and continue by electricity continuity plan(s) and electricity continuity system(s).	2022-04-26
SANS 60214-1 Ed 1	<i>Tap-changers – Part 1: Performance requirements and test methods.</i> Applies to on-load tap-changers of both resistor and reactor types, de-energized tap-changers, and their motor-drive mechanisms.	2022-04-26
SANS 60214-2 Ed 1	<i>Tap-changers – Part 2: Application guidelines.</i> Intended to assist in the selection of tap-changers designed in accordance with IEC 60214-1 or IEE std C57.131 for use in conjunction with the tapped windings of transformers or reactors.	2022-04-21
SANS 15118-1 Ed 1	<i>Road vehicles – Vehicle to grid communication interface – Part 1: General information and use-case definition.</i> Specifies terms and definitions, general requirements and use cases for conductive and wireless HLC between the EVCC and the SECC, and applies to HLC involved in conductive and wireless power transfer technologies in the context of manual or automatic connection devices.	2022-04-30
SANS 15118-4 Ed 1	<i>Road vehicles – Vehicle to grid communication interface – Part 4: Network and application protocol conformance test.</i> Specifies conformance tests in the form of an Abstract Test Suite (ATS) for a System Under Test (SUT) implementing an EVCC or SECC according to ISO 15118-2.	2022-04-30
SANS 80601-2-61 Ed 1	<i>Medical electrical equipment – Part 2-61: Particular requirements for basic safety and essential performance of pulse oximeter equipment.</i> Applies to the basic safety and essential performance of pulse oximeter equipment intended for use on humans, hereafter referred to as me equipment.	2022-04-30

**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.

<b>Draft Standard No. and Edition</b>	<b>Title</b>	<b>Scope of amendment</b>	<b>Closing Date</b>
SANS 60079-29-1 Ed 2.1	<i>Explosive atmospheres – Part 29-1: Gas detectors – Performance requirements of detectors for flammable gases</i>	Amended to update the clause on test methods and to update the annex on performance requirements.	2022-04-21
SANS 198 Ed 5.2	<i>Functional-control valves and safety valves for domestic hot and cold water supply systems</i>	Amended to add reference to SANS 1631 and remove the annex on notes to purchasers.	2022-04-21
SANS 5148 Ed 4.1	<i>Paints and varnishes – Determination of through-dry state and through-dry time</i>	Amended to update reference standards.	2022-04-26
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.	2022-04-19

**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.

<b>Draft Standard No. and Edition</b>	<b>Title</b>	<b>Reason for withdrawal</b>	<b>Closing Date</b>

**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.

<b>Draft Standard No. and Edition</b>	<b>Title</b>	<b>Reason for withdrawal</b>	<b>Closing Date</b>

## 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 61968-1:2022 Ed 2	<i>Application integration at electric utilities – System interfaces for distribution management – Part 1: Interface architecture and general recommendations.</i> Defines interfaces for the major elements of an interface architecture for power system management and associated information exchange.
SANS 61968-5:2022 Ed 1	<i>Application integration at electric utilities – System interfaces for distribution management – Part 5: Distributed energy optimization.</i> Describes a set of functions that are needed for enterprise integration of DERMS functions.
SANS 62271-215:2022 Ed 1	<i>High-voltage switchgear and controlgear – Part 215: Phase comparator used with VDIS.</i> Applies to phase comparators designed to be plugged into the testing points of a voltage detecting and indicating system (VDIS) according to IEC 62271-213 (published in South Africa as an identical adoption under the designation SANS 62271-213), to give an indication of the result of a phase comparison.
SANS 63252:2022 Ed 1	<i>Energy consumption of vending machines.</i> Defines methods for the measurement of energy consumption of vending machines, whether or not fitted with refrigerating appliances.
SATS 62257-2:2022 Ed 1	<i>Recommendations for renewable energy and hybrid systems for rural electrification – Part 2: From requirements to a range of electrification systems.</i> Proposes a methodological approach for the setting up and carrying out of socio-economic studies as part of the framework of decentralized rural electrification projects.
SANS 3001-GR63:2022 Ed 1	<i>Civil engineering test methods – Part-GR63: Soil quality-Determination of water-soluble and acid-soluble sulfate.</i> Specifies procedures for the preparation of water and acid extracts of air-dried soils and soil-like materials.
SANS 20079:2022 Ed 1	<i>Uniform provisions concerning the approval of vehicles with regard to steering equipment.</i> Applies to the steering equipment of vehicles of categories M, N and O.
SANS 10018:2022 Ed 1	<i>Quality management – Guidance for people engagement.</i> Gives guidelines for engaging people in an organization's quality management system and on enhancing their involvement and competence within it.
SANS 23396:2022 Ed 1	<i>Systems and software engineering – Capabilities of review tools.</i> Specifies the capabilities of a tool to support review work.
SANS 24774:2022 Ed 1	<i>Systems and software engineering – Life cycle management – Specification for process description.</i> Provides an explanation of considerations involved in defining a process, further gives requirements and recommendations for the description of processes by identifying elements and rules for their formulation.
SANS 37301:2022 Ed 1	<i>Compliance management systems – Requirements with guidance for use.</i> Specifies requirements and provides guidelines for establishing, developing, implementing, evaluating, maintaining and improving an effective compliance management system within an organization.
SANS 717-1:2022 Ed 2	<i>Acoustics – Rating of sound insulation in buildings and of building elements – Part 1: Airborne sound insulation.</i> Defines single-number quantities for airborne sound insulation in buildings and of building elements such as walls, floors, doors, and windows.
SANS 717-2:2022 Ed 2	<i>Acoustics – Rating of sound insulation in buildings and of building elements – Part 2: Impact sound insulation.</i> Defines single-number quantities for impact sound insulation in buildings and of floors.

Standard No. and year	Title, scope and purport
SANS 60309-4:2022 Ed 2	<i>Plugs, fixed or portable socket-outlets and appliance inlets for industrial purposes – Part 4: Switched socket-outlets with or without interlock.</i> Applies to self-contained products primarily intended for industrial use, either indoors or outdoors that combine the following items within a single enclosure a fixed or portable socket-outlet according to IEC 60309-1 or IEC 60309-2 with a rated operating voltage not exceeding 1 000 V DC or 1 000 V AC with a frequency not exceeding 500 Hz and a rated current not exceeding 800 A; a switching device.
SANS 60034-7:2022 Ed 2	<i>Rotating electrical machines – Part 7: Classification of types of construction, mounting arrangements and terminal box position (IM Code).</i> Specifies the IM Code, a classification of types of construction, mounting arrangements and the terminal box position of rotating electrical machines.
SANS 60034-11:2022 Ed 3	<i>Rotating electrical machines – Part 11: Thermal protection.</i> Specifies requirements relating to the use of thermal protectors and thermal detectors incorporated into the stator windings or placed in other suitable positions in induction machines in order to protect them against serious damage due to thermal overloads.
SANS 60851-4:2022 Ed 3	<i>Winding wires – Test methods Part 4: Chemical properties.</i> Specifies tests for resistance to solvents; resistance to refrigerants; solderability and resistance to transformer oil.
SANS 62053-24:2022 Ed 2	<i>Electricity metering equipment – Particular requirements – Part 24: Static meters for fundamental component reactive energy (classes 0,5S, 1S, 1, 2 and 3).</i> Applies only to static var-hour meters of accuracy classes 0,5 S, 1 S, 1, 2 and 3 for the measurement of alternating current electrical reactive energy in 50 Hz or 60 Hz networks and it applies to their type tests only.
SANS 10462:2022 Ed 3	<i>Gas cylinders – Transportable cylinders for dissolved acetylene – Periodic inspection and maintenance.</i> Specifies requirements for the periodic inspection of acetylene cylinders as required for the transport of dangerous goods and for maintenance in connection with periodic inspection.
SANS 5667-10:2022 Ed 2	<i>Water quality - Sampling – Part 10: Guidance on sampling of waste water.</i> Contains details on the sampling of domestic and industrial waste water, i.e. the design of sampling programmes and techniques for the collection of samples; and covers waste water in all its forms, i.e. industrial waste water, radioactive waste water, cooling water, raw and treated domestic waste water.
SANS 325:2022 Ed 2	<i>Quality management – Guidance on statistical techniques for ISO 9001:2015.</i> Gives guidelines for the selection of appropriate statistical techniques that can be useful to an organization, irrespective of size or complexity, in developing, implementing, maintaining and improving a quality management system in conformity with ISO 9001:2015 (published in South Africa as an identical adoption under the designation SANS 9001:2015).
SANS 10015:2022 Ed 2	<i>Quality management – Guidelines for competence management and people development.</i> Gives guidelines for an organization to establish, implement, maintain, and improve systems for competence management and people development to positively affect outcomes related to the conformity of products and services and the needs and expectations of relevant interested parties.
SANS 15414:2022 Ed 2	<i>Information technology – Open distributed processing – Reference model – Enterprise language.</i> Provides a language (the enterprise language) comprising concepts, structures, and rules for developing, representing and reasoning about a specification of an ODP system from the enterprise viewpoint (as defined in Rec. ITU-T X.903   ISO/IEC 10746-3); rules which establish correspondences between the enterprise languages and the other viewpoint languages (defined in Rec. ITU-T X.903   ISO/IEC 10746-3) to ensure the overall consistency of a specification.
SANS 16085:2022 Ed 2	<i>Systems and software engineering – Life cycle processes – Risk management.</i> Provides a universally applicable standard for practitioners responsible for managing risks associated with systems and software over their life cycle.

Standard No. and year	Title, scope and purport
SANS 8537:2022 Ed 1	<i>Sterile single-use syringes, with or without needle, for insulin. Specifies requirements and test methods for empty, sterile, single-use syringes, with or without needles, made of plastic materials and intended solely for the injection of insulin, with which the syringes are filled by the end user.</i>
SANS 13850:2022 Ed 2	<i>Safety of machinery - Emergency stop function - Principles for design. Specifies functional requirements and design principles for the emergency stop function on machinery, independent of the type of energy used.</i>

### 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 1018:2022 Ed 1.5	<i>Electric cables for motor vehicles – Ignition cables for motor vehicles. Consolidated edition incorporating amendment No.5. Amended to delete the annex on notes to purchasers.</i>
SANS 60079-18:2022 Ed 4.1	<i>Explosive atmospheres – Part 18: Equipment protection by encapsulation 'm'. Consolidated edition incorporating amendment No.1. Amended to update the scope, to update the clause on type test, routine verifications and tests, and to add the annex on dielectric strength test between circuits and environment.</i>
SANS 60137:2022 Ed 4.1	<i>Insulated bushings for alternating voltages above 1 000 V. Consolidated edition incorporating amendment No.1. Corrected to update the subclause on markings (6.2).</i>
SANS 3001-GR2:2022 Ed 1.2	<i>Civil engineering test methods – Part GR2: Dry preparation and dry particle size analysis of gravels and sands. Consolidated edition incorporating amendment No.2. Amended to update the introduction, the scope, and the definitions, to update the clauses on apparatus and on preparation, and to update referenced standards.</i>
SANS 521:2022 Ed 3.6	<i>Hospital beds and cots. Consolidated edition incorporating amendment No.6. Amended to update the scope, the sub-clause on inspection and methods of test, applicable standards, and to delete the appendix on notes to purchasers.</i>
SANS 994-1:2022 Ed 1.1	<i>Ratite farming – Part 1: Ostriches. Consolidated edition incorporating amendment No.1. Amended to move reference to the national department to the foreword, to delete a tradename, and to update referenced standards.</i>

### 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

**SCHEDULE B4 ESTABLISHMENT 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](mailto:Dsscomments@sabs.co.za) for more information.

**SCHEDULE B5 DISBANDED OF TECHNICAL COMMITTEES**

Committee No.	Title	Reason
SABS/TC 034/SC 14	<i>Food Products – Wax coating for fruit</i>	This committee is dormant
SABS/TC 035/SC 03	<i>Paints and varnishes - solvent-based decorative paints and SABS/TC 035/SC 04 Paints and varnishes - Industrial coatings</i>	These committees were merged into SABS/TC 035/SC 01 <i>Paints and varnishes - Emulsion paints</i> and they comprise of the same member
SABS/TC 082/SC 06	<i>Mining equipment – Scraping and winches</i>	This committee is dormant
SABS/TC 0138/SC 03	<i>Plastics pipes and fittings</i>	This committee was merged into SABS/TC 0138/SC 06 <i>Water and sanitation – Equipment and systems - Plastics pipes and fittings</i>
SABS/TC 1070/SC 02	<i>Retro-reflection - Retroreflection and related</i>	The decision to merge SABS/TC 1070/SC 02 into SABS/TC 1070 <i>Retro-reflection</i> was due to the similarities in their scopes and both committees had the same members

**SCHEDULE 6: 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.