

DEPARTMENT OF TRADE, INDUSTRY AND COMPETITION

NOTICE 337 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 52 Ed 1	<i>Solid mineral fuels - Determination of phosphorus content - Reduced molybdophosphate photometric method.</i> Specifies a reduced molybdophosphate photometric method for the determination of the total phosphorus content of hard coal, lignites and coke.	2020-07-19
SANS 3001-CO1-1 Ed 1	<i>Civil engineering test methods - Part CO1-1: Mixing fresh concrete in the laboratory.</i>	2020-07-14
SANS 3001-CO1-2 Ed 1	<i>Civil engineering test methods Part CO1-2: Sampling.</i> Specifies two procedures for sampling fresh concrete, by composite sampling and by spot sampling. Applies to fresh concrete and describes a method for batching of prepared material and mixing of normal concrete in the laboratory (where control and test conditions are possible for assessment of materials or mix design).	2020-07-14
SANS 3001-CO1-4 Ed 1	<i>Civil engineering test methods - Part CO1-4: Consistence of freshly mixed concrete - Vebe test.</i> Describes a method for determining the Vebe time of fresh concrete mixed both in the laboratory and on site.	2020-07-14
SANS 3001-CO1-5 Ed 1	<i>Testing of fresh concrete Part 4: Degree of compactability.</i> Specifies a method for determining the consistence of fresh concrete by determining the degree of compactability.	2020-07-14
SANS 5074 Ed 2	<i>Hard coal - Determination of Hardgrove grindability index.</i> Specifies the method for determining the grindability index of hard coal using the Hardgrove machine. It also specifies the procedure for calibrating the test machine and for preparing the standard reference coal samples.	2020-07-19
SANS 502 Ed 2	<i>Coal - Determination of caking power - Gray-King coke test.</i> Specifies a method of assessing the caking power of coal under standard conditions.	2020-07-19
SANS 501 Ed 1	<i>Coal - Determination of the crucible swelling number.</i> Specifies a method for determining the swelling properties of hard coal when heated in a covered crucible.	2020-07-19
SANS 334 Ed 1	<i>Solid mineral fuels - Determination of total sulfur - Eschka method.</i> Specifies a reference method for determining the total sulfur content of hard coal, brown coals and lignites, and coke by the Eschka method.	2020-07-19
SATS 33053 Ed 1	<i>Information technology - Process assessment - Process reference model for quality management.</i> Information technology - Process assessment - Guidance for assessor competency	2020-07-26
SANS 52 Ed 1	<i>Control systems in the process industry - Electrical and instrumentation loop check.</i> Describes the steps recommended to complete a loop check, which comprises the activities between the completion of the loop construction (including installation and point-to-point checks) and the start-up of cold commissioning. This standard is applicable for the construction of new plants and for expansion/retrofits (i.e. revamping) of E&I installations in existing plants (including PLC, BAS, DCS, panel-mounted and field instrumentation).	2020-07-28
SANS 60071-1 Ed 1	<i>Insulation co-ordination -Part 1: Definitions, principles and rules.</i> Applies to three-phase AC systems having a highest voltage for equipment above 1 kV, and it specifies the procedure for the selection of the rated withstand voltages for the selection of the rated withstand voltages for the phase-to-earth, phase-to-phase and longitudinal insulation of the equipment and the installations of these systems.	2020-08-02

SANS 61952-1 Ed1	<i>Insulators for overhead lines - Composite line post insulators for AC systems with a nominal voltage greater than 1 000 V -Part 1: Definitions, end fittings and designations.</i> Applicable to composite line post insulators for AC overhead lines with a nominal voltage greater than 1 000 V and a frequency not greater than 100 Hz. It also applies to line post insulators of similar design used in substations or on electric traction lines. This document applies to line post insulators of composite type, generally with metallic couplings, with and without a base plate. It also applies to such insulators when used in complex structures. It also specifies a standard designation system for composite line post insulators.	2020-08-02
SATR 60071-4 Ed 1	<i>Insulation co-ordination -Part 4: Computational guide to insulation co-ordination and modelling of electrical networks.</i> Guidance on conducting insulation co-ordination studies which propose internationally recognized recommendations, for the numerical modelling of electrical systems, and for the implementation of deterministic and probabilistic methods adapted to the use of numerical programs.	2020-08-02
SANS 62368-1 Ed 2	<i>Audio/video, information and communication technology equipment - Part 1: Safety requirements.</i> This part of IEC 62368 is applicable to the safety of electrical and electronic equipment within the field of audio, video, information and communication technology, and business and office machines with a rated voltage not exceeding 600 V. This document does not include requirements for performance or functional characteristics of equipment.	2020-08-02
SANS 18091 Ed 2	<i>Quality management systems - Guidelines for the application of ISO 9001 in local government.</i> Gives guidelines to help local government organizations relate the concepts of quality management, as described in ISO 9000, ISO 9001, ISO 9004 (published in South Africa as an identical adoption under the designations SANS 9000, SANS 9001 and SANS 9004) and associated standards.	2020-06-29
SANS 60079-29-1 Ed 2	<i>Explosive atmospheres Part 29-1: Gas detectors - Performance requirements of detectors for flammable gases.</i> Specifies general requirements for construction, testing and performance, and describes the test methods that apply to portable, transportable and fixed apparatus for the detection and measurement of flammable gas or vapour concentrations with air. The apparatus, or parts thereof, are intended for use in potentially explosive atmospheres and in mines susceptible to firedamp.	
SANS 1411-1 Ed 1	<i>Materials of insulated electric cables and flexible cords Part 1: Conductors.</i> Specifies requirements for copper and aluminium conductors used in insulated electric cables and flexible cords. Covers solid, stranded and flexible circular conductors, and solid and stranded shaped conductors of the sizes included in various specifications	2020-08-04

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 1520-2 Ed 2.1	<i>Flexible electric trailing cables for use in mines Part 2: Cables with operating voltages of 3,8/6,6 kV to 19/33 kV.</i>	Amended to change the requirement for the metallic screen filling factor of the copper component of the braid, and to delete the annex on notes to purchasers.	2020-07-28
SANS 164-5 Ed 1.3	<i>Plug and socket-outlet systems for household and similar purposes for use in South Africa Part 5: Two-pole, 2,5 A 250 V a.c. system.</i>	Amended to change the title of the standard, and to update the list of parts in the foreword.	2020-06-24

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 90003:2020 Ed 1	<i>Software engineering - Guidelines for the application of ISO 9001:2015 to computer software.</i> Provides guidance for organizations in the application of ISO 9001:2015 (published in South Africa as an identical adoption under the designation SANS 9001) to the acquisition, supply, development, operation and maintenance of computer software and related support services
ARP 2077:2020 Ed 1	<i>Guideline on Ethics for Traditional Health Practitioners (THPs) in traditional health care.</i> Specifies the discipline and professionalism required by an individual who has acquired skills of being a THP as well as adherence to ethical conduct in diagnosing, prescribing, dispensing, initiating and healing using African traditional medicine (ATM).
SATS 22002-5:2020 Ed 1	<i>Prerequisite programmes on food safety - Part 5: Transport and storage.</i> Specifies requirements for establishing, implementing and maintaining prerequisite programmes (PRPs) for transport and storage in the food chain to assist in controlling food safety hazards.
SANS 987:2020 Ed 1	<i>Adiabatic Spontaneous Combustion Apparatus.</i> Describes the method for determining the propensity of coals to spontaneous combustion using the adiabatic principle.
SANS 16911-1:2020 Ed 1	<i>Stationary source emissions - Manual and automatic determination of velocity and volume flow rate in ducts - Part 1: Manual reference method.</i> Specifies a method for periodic determination of the axial velocity and volume flow rate of gas within emissions ducts and stacks.
SANS 16911-1:2020 Ed 1	<i>Stationary source emissions - Manual and automatic determination of velocity and volume flow rate in ducts - Part 2: Automated measuring systems.</i> Describes specific requirements for automated measuring system (AMS) flow monitoring.
SANS 24521:2020 Ed 1	<i>Activities relating to drinking water and wastewater services-Guidelines for the management of basic on site domestic wastewater services.</i> Provides guidance for the management of basic on-site domestic wastewater services.
SANS62275:2020 Ed 2	<i>Cable management systems - Cable ties for electrical installations.</i> Specifies requirements for metallic, non-metallic and composite cable ties and their associated fixing devices used for the management and support of wiring systems in electrical installations.
SANS 60099-8:2020 Ed 2	<i>Surge arresters Part 8: Metal-oxide surge arresters with external series gap (EGLA) for overhead transmission and distribution lines of a.c. systems above 1 Kv.</i> Covers metal-oxide surge arresters with external series gap (externally gapped line arresters (EGLA)) that are applied on overhead transmission and distribution lines, only to protect insulator assemblies from lightning-caused flashovers.
SANS 466:2020 Ed 2	<i>Quality management systems - Guidelines for quality plans.</i> Gives guidelines for establishing, reviewing, accepting, applying and revising quality plans.
SANS 660:2020 Ed 4	<i>School furniture.</i> Covers the requirements for the materials, construction, finish and performance of tables, teachers' desks, chairs and stools for use in classrooms.
SANS 17:2020 Ed 2	<i>Glazing materials in furniture.</i> Specifies the general requirements, performance requirements and thickness requirements necessary to ensure a reasonable quality of safety glass or plastics used in the construction of furniture.
SANS 10198-14:2020 Ed 3	<i>The selection, handling and installation of electric power cables of rating not exceeding 33 kV Part 14: Installation of low voltage insulated aerial bundled conductors.</i> Provides guidance on the installation of insulated Aerial Bundled Conductors (ABC) systems up to 33 kV that comply with the requirements of SANS 1418-1 and SANS 1418-2. It covers installations performed under de-energised conditions only.

Standard No. and year	Title, scope and purport
SANS 14236:2020 Ed 1	<i>Plastics pipes and fittings - Mechanical-joint compression fittings for use with polyethylene pressure pipes in water supply systems.</i> Specifies the required properties and test methods for mechanical fittings intended to join polyethylene pressure pipes of nominal outside diameters not greater than 160 mm, used in water supply systems conveying potable water and water for general purposes at temperatures up to and including 40 °C.
SANS 16212:2020 Ed 1	<i>Cosmetics - Microbiology - Enumeration of yeast and mould.</i> Gives general guidelines for enumeration of yeast and mould present in cosmetics by counting the colonies on selective agar medium after aerobic incubation
SANS 61724-1:2020 Ed 1	<i>Photovoltaic system performance - Part 1: Monitoring.</i> Defines the classes of photovoltaic (PV) performance monitoring systems.
SANS 60287-3-2:2020 Ed 2	<i>Electric cables - Calculation of the current rating Part 3-2: Sections on operating conditions - Economic optimization of power cable size.</i> Sets out a method for the selection of a cable size taking into account the initial investment costs and the future costs of energy losses during the economic life of the cable.
SANS 33301:2020 Ed 2	<i>Security and resilience - Business continuity management systems – Requirements.</i> Specifies requirements to implement, maintain and improve a management system to protect against, reduce the likelihood of the occurrence of, prepare for, respond to and recover from disruptions when they arise.

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 887 :2020 Ed 3.1	<i>Varnish for interior use. Consolidated edition incorporating amendment No.1.</i> Amended to update referenced standards, and to delete the annex on notes to purchasers.
SANS 681:2020 Ed 3.4	<i>Undercoats for paints. Consolidated edition incorporating amendment No.4.</i> Amended to update referenced standards and to delete the annex on notes to purchasers.
SANS 508:2020 Ed 1.2	<i>Concrete retaining blocks. Consolidated edition incorporating amendment No.2.</i> Amended to update references standards and requirements, and to delete the annex on notes to purchasers.
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.

SCHEDULE B.5: ESTABLISHMENT OF TECHNICAL COMMITTEES

In terms of section 4(2) (1) 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 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.