

DEPARTMENT OF TRADE, INDUSTRY AND COMPETITION

NOTICE 1517 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 15962 Ed 2	<i>Information technology – Radio frequency identification (RFID) for item management – Data protocol: data encoding rules and logical memory functions.</i> Defines the encoded structure of object identifiers.	2023-01-24
SANS 12402-7 Ed 2	<i>Personal flotation devices – Part 7: Materials and components – Safety requirements and test methods.</i> Specifies the minimum requirements for the construction and performance of materials and components of personal flotation devices, as well as the relevant test methods.	2023-01-24
SANS 12402-8 Ed 2	<i>Personal flotation devices – Part 8: Accessories – Safety requirements and test methods.</i> Specifies the safety requirements and test methods for accessories used for personal flotation devices (PFDs).	2023-01-24
SANS 12402-9 Ed 2	<i>Personal flotation devices – Part 9: Evaluation.</i> Specifies the processes for evaluation of personal flotation devices for fulfilment of the requirements in ISO 12402 to ISO 12402-6:2020, with which this document is intended to be used.	2023-01-24
SANS 12944-4 Ed 2	<i>Paints and varnishes – Corrosion protection of steel structures by protective paint systems – Part 4: Types of surface and surface preparation.</i> Covers the following types of surfaces of steel structures consisting of carbon or low alloy steel, and their preparation: uncoated surfaces; surfaces thermally sprayed with zinc, aluminium or their alloys; hot-dip-galvanized surfaces; zinc-electroplated surfaces; sherardized surfaces; surfaces painted with prefabrication primer; other painted surfaces.	2023-01-29
SANS 12944-5 Ed 2	<i>Paints and varnishes – Corrosion protection of steel structures by protective paint systems – Part 5: Protective paint systems.</i> Describes the types of paint and paint system commonly used for corrosion protection of steel structures.	2023-01-24
SANS 12944-7 Ed 2	<i>Paints and varnishes – Corrosion protection of steel structures by protective paint systems – Part 7: Execution and supervision of paint work.</i> Deals with the supervision and execution of paint work on steel structures in the workshop or on site.	2023-01-29
SANS 20014 Ed 3	<i>Uniform provisions concerning the approval of vehicles with regard to safety-belt anchorages, isofix anchorages systems and isofix top tether anchorages.</i> Applies to anchorages for safety-belts intended for adult occupants of forward-facing or rearward-facing seats in vehicles of categories M and N.	2023-01-10

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 1717-2 Ed 1.2	<i>The design and approval of detonator initiation systems for use in mining and civil blasting applications – Part 2: Electric initiation systems – Shot exploder based.</i>	Amended to update referenced standards, to move relevant authorities to the foreword, and to update general requirements for shot exploders.	2023-01-29
SANS 1143 Ed.2.2	<i>Mushroom – and countersunk-head bolts and nuts.</i>	Amended to update referenced standards, and to delete the annex on notes to purchasers.	2023-01-24
SANS 1828 Ed 2.2	<i>Cleaning chemicals for use in the food industry.</i>	Amended to modify the clause on requirements, to update the requirements for marking and labelling, and to delete the annex on notes to purchasers.	2023-01-24
SANS 10404 Ed 2.1	<i>The design and safe use of underground mine rolling stock.</i>	Amended to update the clause designation on legal requirements.	2023-01-24
SANS 1620 Ed 2.2	<i>Barbed tape security barriers.</i>	Amended to delete the annex on notes to purchasers.	2023-01-24
SANS 559 Ed 4.5	<i>Vitrified clay sewer pipes and fittings.</i>	Amended to delete the appendix on notes to purchasers.	2023-01-31
SANS 776 Ed 3.2	<i>Copper alloy gate valves – Heavy duty.</i>	Amended to update referenced standards, the sub-clause on service temperature, to correct the numbering of the tables, to update the clause on materials, construction and performance, the sub-clause on strength test on handwheels, and to delete the annex on notes to purchasers.	2023-01-31
SANS 555-4 Ed 1.1	<i>Fluids for electrotechnical applications – Part 4: Recycled uninhibited mineral insulating oils for transformers and switchgear.</i>	Amended to update referenced standards, oxidation stability and update requirement for Gassing tendency in table 1.	2023-01-29
SANS 1249 Ed 2.5	<i>Knitted uniform fabrics.</i>	Amended to update referenced standards and to delete the annex on notes to purchasers.	2023-01-29

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

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

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 15118-5:2022 Ed 1	<i>Road vehicles – Vehicle to grid communication interface – Part 5: Physical layer and data link layer conformance test.</i> Specifies conformance tests in the form of an Abstract Test Suite (ATS) for a System Under Test (SUT) implementing an Electric Vehicle or Supply Equipment Communication Controller (EVCC or SECC) with support for PLC-based High Level Communication (HLC) and Basic Signaling according to ISO 15118-3 (published in South Africa as an identical adoption under the designation SANS 15118-3).
SANS 15118-8:2022 Ed 1	<i>Road vehicles – Vehicle to grid communication interface – Part 8: Physical layer and data link layer requirements for wireless communication.</i> Specifies the requirements of the physical and data link layer of a wireless High Level Communication (HLC) between Electric Vehicles (EV) and the Electric Vehicle Supply Equipment (EVSE).
SANS 60255-118-1:2022 Ed 1	<i>Measuring relays and protection equipment – Part 118-1: Synchrophasor for power systems – Measurements.</i> Defines synchrophasor, frequency, and rate of change of frequency (ROCOF) measurements as used in this technology.
SANS 60255-181:2022 Ed 1	<i>Measuring relays and protection equipment – Part 181: Functional requirements for frequency protection.</i> Specifies the minimum requirements for functional and performance evaluation of frequency protection.
SATS 60034-34:2022 Ed 1	<i>Rotating electrical machines – Part 34: AC adjustable speed rolling mill motors.</i> Applicable to AC adjustable speed rolling mill motors and identifies specific requirements for AC adjustable speed rolling mill motors, where those performance characteristics are different from those for conventional AC motors.
SATS 62257-3:2022 Ed 1	<i>Recommendations for small renewable energy and hybrid systems for rural electrification – Part 3: Project development and management.</i> Provides information on the responsibilities involved in the implementation of rural power systems.
SANS 62443-3-2:2022 Ed 1	<i>Security for industrial automation and control systems – Part 3-2: Security risk assessment for system design.</i> Establishes the requirements for: defining a system under consideration (SUC) for an industrial automation and control system (IACS); partitioning the SUC into zones and conduits; assessing risk for each zone and conduit; establishing the target security level (SL-T) for each zone and conduit; and documenting the security requirements.
SATR 61850-7-5:2022 Ed 1	<i>Communication networks and systems for power utility automation – Part 7-5: IEC 61850 Modelling concepts.</i> Establishes modelling concepts that help the user to understand how to apply the models defined in IEC 61850-7-4 (published in South Africa as an identical adoption under the designation SANS 61850-7-4) and IEC 61850-7-3 (published in South Africa as an identical adoption under the designation SANS 61850-7-3) to implement practical applications.
SANS 3001-GR61:2022 Ed 1	<i>Civil engineering test methods – Part GR61: Determination of the pH of water, soil, gravel and graded crushed rock for construction purposes.</i> Describes a method of determining the electrometric pH of a saturated soil-paste and a construction water using a potentiometric pH meter.
SATS 19158:2022 Ed 1	<i>Geographic information – Quality assurance of data supply.</i> Provides a framework for quality assurance specific to geographic information.
SANS 475:2022 Ed 2	<i>Luminaires for interior lighting, streetlighting and floodlighting – Performance requirements.</i> Covers the performance requirements for interior lighting, streetlighting and flood- lighting luminaires for a) operation with fluorescent lamps, induction lamps, low-pressure sodium vapour lamps, high- intensity discharge lamps or LED light sources; b) use on A.C. supply voltages with a frequency of 50 Hz; and c) operation at ambient temperatures of 0 °C to 40 °C.

Standard No. and year	Title, scope and purport
SANS 60730-2-7:2022 Ed 3	<i>Automatic electrical controls – Part 2-7: Particular requirements for timers and time switches.</i> Applies to timers and time switches that may use electricity, gas, oil, solid fuel, solar thermal energy, etc. or a combination thereof, including heating, air conditioning and similar applications.
SANS 60730-2-12:2022 Ed 2	<i>Automatic electrical controls for household and similar use – Part 2-12: Particular requirements for electrically operated door locks.</i> Applies to electrically operated door locks for use in, on or in association with equipment, including equipment for heating, air-conditioning and similar applications. The equipment may use electricity, gas, oil, solid fuel, solar thermal energy, etc.
SANS 60730-2-9:2022 Ed 3	<i>Automatic electrical controls – Part 2-9: Particular requirements for temperature sensing controls.</i> Applies to automatic electrical temperature sensing controls for use in, on or in association with equipment, including electrical controls for heating, air-conditioning and similar applications.
SANS 62135-1:2022 Ed 2	<i>Resistance welding equipment – Part 1: Safety requirements for design, manufacture and installation.</i> Specifies electrical safety requirements for design, manufacture and installation.
SANS 10845-3:2022 Ed 2	<i>Construction procurement – Part 3: Standard conditions of tender.</i> Sets out standard conditions of tender which bind the employer and tenderer to behave in a particular manner, establish what a tenderer is required to do in order to submit a compliant tender, make known the evaluation criteria to tenderers, and establish the manner in which the employer conducts the process of offer and acceptance and provide the necessary feedback to tenderers on the outcomes of the process.
SANS 13888-3:2022 Ed 3	<i>Document Title: Information security – Non-repudiation – Part 3: Mechanisms using asymmetric techniques.</i> Specifies mechanisms for the provision of specific, communication-related, non-repudiation services using asymmetric cryptographic techniques.
SANS 60079-32-2:2022 Ed 1	<i>Explosive atmospheres – Part 32-2: Electrostatics hazards – Tests.</i> Describes test methods concerning the equipment, product and process properties necessary to avoid ignition and electrostatic shock hazards arising from static electricity.
SANS 60255-121:2022 Ed 1	<i>Measuring relays and protection equipment – Part 121: Functional requirements for distance protection.</i> Specifies minimum requirements for functional and performance evaluation of distance protection function typically used in, but not limited to, line applications for effectively earthed, three-phase power systems.
SANS 62619:2022 Ed 1	<i>Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium cells and batteries, for use in industrial applications.</i> Specifies requirements and tests for the safe operation of secondary lithium cells and batteries used in industrial applications including stationary applications.
SANS 61242:2022 Ed 1	<i>Electrical accessories – Cable reels for household and similar purposes.</i> Applies to cable reels for a.c. only, provided with a non-detachable flexible cable with a rated voltage above 50 V and not exceeding 250 V for single-phase cable reels and above 50 V and not exceeding 440 V for all other cable reels, and a rated current not exceeding 16 A.
SATR 61850-90-6:2022 Ed 1	<i>Communication networks and systems for power utility automation – Part 90-6: Use of IEC 61850 for Distribution Automation Systems.</i> Defines use cases for typical DA applications that require information exchange between two or more components/systems.
SANS 60730-2-6:2022 Ed 2	<i>Automatic electrical controls – 2-6: Particular requirements for automatic electrical pressure sensing controls including mechanical requirements.</i> Applies to automatic electrical pressure sensing controls for use in, on or in association with, equipment.

Standard No. and year	Title, scope and purport
SANS 62196-1:2022 Ed 3	<i>Plugs, socket-outlets, vehicle connectors and vehicle inlets – Conductive charging of electric vehicles – Part 1: General requirements.</i> Applicable to EV plugs, EV socket-outlets, vehicle connectors, vehicle inlets, herein referred to as "accessories", and to cable assemblies for electric vehicles (EV) intended for use in conductive charging systems which incorporate control means, with a rated operating voltage not exceeding 690 V AC 50 Hz to 60 Hz, at a rated current not exceeding 250 A and 1 500 V DC at a rated current not exceeding 800 A.
SANS 10845-1:2022 Ed 2	<i>Construction procurement – Part 1: Process, methods and procedures.</i> Describes processes, methods and procedures for the establishment within an organization of a procurement system for goods, services, and construction works or disposals, or any combination thereof that is fair, equitable, transparent, competitive and cost-effective.
SANS 10845-2:2022 Ed 2	<i>Construction procurement – Part 2: Formatting and compilation of procurement documentation.</i> Establishes, in respect of supply, services and construction contracts, at both main and subcontract levels, a format for the compilation of calls for expressions of interest, tender and contract documents, and the general principles for compiling procurement documents.
SANS 10845-3:2022 Ed 2	<i>Construction procurement – Part 3: Standard conditions of tender.</i> Sets out standard conditions of tender which bind the employer and tenderer to behave in a particular manner, establish what a tenderer is required to do in order to submit a compliant tender, make known the evaluation criteria to tenderers, and establish the manner in which the employer conducts the process of offer and acceptance and provide the necessary feedback to tenderers on the outcomes of the process.
SANS 10845-4:2022 Ed 2	<i>Construction procurement – Part 4: Standard conditions for the calling for expressions of interest.</i> Sets out standard conditions for the calling for expressions of interest which bind the employer and respondent to behave in a particular manner, establish what is required for a respondent to submit a compliant submission, make known to respondents the evaluation criteria, and establish the manner in which the employer conducts the process of calling for expressions of interest.

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 1186-1:2022 Ed 3.8	<i>Symbolic safety signs – Part 1: Standard signs and general requirements. Consolidated edition incorporating amendment No. 8.</i> Amended to delete the annex on notes to purchasers, and the footnote on the obtainability of art work.
SANS 1520-3:2022 Ed 1.1	<i>Flexible electric trailing cables for use in mines – Part 3: Cables with operating voltage of 1 500 V d.c. Consolidated edition incorporating amendment No. 1.</i> Amended to update definitions, the clause on requirements, and to delete the annex on notes to purchasers.
SANS 10218-2:2022 Ed 1.1	<i>Acoustical properties of buildings – Part 2: The assessment of building plans and buildings with respect to their acoustical properties. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards with no technical changes.
SANS 60335-2-103:2022 Ed 3.1	<i>Household and similar electrical appliances – Safety – Part 2-103: Particular requirements for drives for gates, doors and windows. Consolidated edition incorporating amendment No. 1.</i> Amended to update the scope, terms and definitions, the requirements for marking and instructions, the clauses on heating, leakage current and electric strength at operating temperature, leakage current and electric strength, abnormal operation, and on supply connection and external flexible cords, clearances, creepage distances and solid insulation, the annexes on drives for horizontally and vertically moving doors and gates, test method of entrapment protection system of drives for revolving doors, limitation of impact forces of pedestrian doors, and on low energy movement of pedestrian doors.
SANS 60335-2-110:2022 Ed 1.1	<i>Household and similar electrical appliances – Safety – Part 2-110: Particular requirements for commercial microwave appliances with insertion or contacting applicators. Consolidated edition incorporating amendment No. 1.</i> Amended to update the referenced standards, the requirements for marking and instructions, and the clause on construction.
SANS 60811-501:2022 Ed 1.1	<i>Electric and optical fibre cables – Test methods for non-metallic materials – Part 501: Mechanical tests – Tests for determining the mechanical properties of insulating and sheathing compounds. Consolidated edition incorporating amendment No. 1.</i> Amended to update the requirements on test method.
SANS 62282-3-201:2022 Ed 2.1	<i>Fuel cell technologies – Part 3-201: Stationary fuel cell power systems – Performance test methods for small fuel cell power systems. Consolidated edition incorporating amendment No. 1.</i> Amended to update the introduction, terms and definitions, symbols, the requirements on test set-up, the clause on type tests on electric and thermal performance, the annex on example of a test operation schedule, and referenced standards.
SANS 3001-GR3:2022 Ed 1.2	<i>Civil engineering test methods – Part GR3: Particle size analysis of material smaller than 2 mm (hydrometer method). Consolidated edition incorporating amendment No. 2.</i> Amended to update the introduction, referenced standards, the clauses on apparatus, preparation of test sample, and procedure.
SANS 3001-GR58:2022 Ed 1.1	<i>Civil engineering test methods – Part GR58: Determination of the cement or lime content of stabilized materials by means of the back-titration (acid base) method. Consolidated edition incorporating amendment No. 1.</i> Amended to update the introduction, referenced standards, the clauses on apparatus, and procedure.
SANS 60335-2-81:2022 Ed 3.1	<i>Household and similar electrical appliances – Safety – Part 2-81: Particular requirements for foot warmers and heating mats. Consolidated edition incorporating amendment No. 1.</i> Amended to update the referenced standards, the clause on moisture resistance, the requirements on components, supply connection and external flexible cords, and on resistance to heat and fire.
SANS 750:2022 Ed 4.2	<i>Interlock fabric. Consolidated edition incorporating amendment No. 2.</i> Amended to delete the footnote to the clause on sampling and compliance with the standard, and the annex on notes to purchasers.
SANS 791:2022 Ed 5.5	<i>Unplasticized poly(vinyl chloride) (PVC-U) sewer and drain pipes and pipe fittings. Consolidated edition incorporating amendment No. 2.</i> Amended to update the subclause on Vicat softening point, to delete the annex on notes to purchasers, and to update referenced standards.

SANS 1283:2022 Ed 1.7	<i>Modified poly(vinyl chloride) (PVC-M) pressure pipe and couplings for cold water services in underground mining. Consolidated edition incorporating amendment No. 7.</i> Amended to update the requirements for dichloromethane test, to move reference to the national authority to the foreword, to delete the appendix on notes to purchasers, and to update referenced standards.
SANS 3001-AG14:2022 Ed 1.1	<i>Civil engineering test methods – Part AG14: Determination of the ethylene glycol durability index for rock. Consolidated edition incorporating amendment No. 1.</i> Amended to update the introduction, referenced standards, and the clauses on apparatus and on procedure.

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 60317-100:2003 Ed 1	<i>Specifications for particular types of winding wires – Part 100: Enamelled round copper wire, class 220.</i>

SCHEDULE B4: ESTABLISHMENT OF TECHNICAL COMMITTEES

Committee No.	Title	Scope

SCHEDULE B5: RETRACTION OF PREVIOUSLY GAZETTED ITEMS

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

SCHEDULE B6: 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 Latagan Road, Groenkloof, Private Bag X191, Pretoria 0001.