

## DEPARTMENT OF TRADE, INDUSTRY AND COMPETITION

## NOTICE 1268 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 61158-3-16 Ed 1	<i>Industrial communication networks - Fieldbus specifications Part 3-16: Data-link layer service definition - Type 16 elements.</i> Provides common elements for basic time-critical messaging communications between devices in an automation environment. The term time-critical is used to represent the presence of a time-window, within which one or more specified actions are required to be completed with some defined level of certainty. Failure to complete specified actions within the time window risks failure of the applications requesting the actions, with attendant risk to equipment, plant and possibly human life.	2022-10-18
SANS 22483 Ed 1	<i>Tourism and related services — Hotels — Service requirements.</i> Establishes quality requirements and recommendations for hotels regarding staff, service, events, entertainment activities, safety, security, maintenance, cleanliness, supply management and guest satisfaction.	2022-10-17
SANS 490 Ed 2	<i>Alcohol-based hand sanitizer and hand rub.</i> Specifies requirements of alcohol-based hand sanitiser and handrub in the form of liquid, gel, foam or aerosol.	2022-10-17
SANS 61557-1 Ed 1	<i>Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring, or monitoring of protective measures - Part 1: General requirements.</i> Specifies the general requirements applicable to measuring and monitoring equipment for testing the electrical safety in low-voltage distribution systems with nominal voltages up to 1 000 V AC and 1 500 V DC.	2022-10-17
SANS 61557-3 Ed 1	<i>Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. — Equipment for testing, measuring, or monitoring of protective measures Part 3: Loop impedance.</i> Specifies the requirements applicable to equipment for measuring the loop impedance between a line conductor and protective conductor; between a line conductor and neutral; or between two line conductors by using the voltage drop when the circuit under test is loaded.	2022-10--17
SANS 61557-4 Ed 1	<i>Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. — Equipment for testing, measuring, or monitoring of protective measures Part 4: Resistance of earth connection and equipotential bonding.</i> Specifies the requirements applicable to equipment for measuring the resistance of earth conductors, protective earth conductors and conductors for equipotential bonding, including their connections and terminals, with an indication of the measured value or an indication of the limits.	2022-10-17
SANS 61557-5 Ed 1	<i>Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. — Equipment for testing, measuring, or monitoring of protective measures Part 5: Resistance to earth.</i> Specifies the requirements applicable to measuring equipment for measuring the resistance to earth using an AC voltage.	2022-10-17

SANS 61557-7 Ed 1	<i>Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. — Equipment for testing, measuring, or monitoring of protective measures Part 7: Phase sequence.</i> Specifies the requirements applicable to measuring equipment for testing the phase sequence in three-phase distribution systems.	2022-10-17
SANS 61557-10 Ed 1	<i>Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. — Equipment for testing, measuring or monitoring of protective measures Part 10: Combined measuring equipment for testing, measuring or monitoring of protective measures.</i> Specifies the requirements for combined measuring equipment which combines into one piece of apparatus, several measuring functions or methods of testing, measuring or monitoring according to the respective parts of IEC 61557.	2022-10-17
SANS 61557-12 Ed 1	<i>Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC — Equipment for testing, measuring or monitoring of protective measures Part 12: Power metering and monitoring devices (PMD).</i> Specifies requirements for power metering and monitoring devices (PMD) that measure and monitor the electrical quantities within electrical distribution systems.	2022-10-17
SANS 62053-22 Ed 2	<i>Electricity metering equipment (a.c.) — Particular requirements Part 22: Static meters for active energy (classes 0,2 S and 0,5 S).</i> Applies only to transformer operated static watt-hour meters of accuracy classes 0,1 S, 0,2 S and 0,5 S for the measurement of alternating current electrical active energy in 50 Hz or 60 Hz networks and it applies to their type tests only.	2022-10-17
SANS 10993-18 Ed 1	<i>Biological evaluation of medical devices Part 18: Chemical characterization of medical device materials within a risk management process.</i> Specifies a framework for the identification, and if necessary, quantification of constituents of a medical device, allowing the identification of biological hazards and the estimation and control of biological risks from material constituents, using a generally stepwise approach.	2022-10-17
SANS 301908-25 Ed 1	<i>IMT cellular networks; Harmonised Standard for access to radio spectrum Part 25: New Radio (NR) User Equipment (UE).</i> Covers all NR features that are relevant for NR UE, up to and including 3GPP Release 15.	2022-10-14
SANS 301908-24 Ed 1	<i>IMT cellular networks; Harmonised Standard for access to radio spectrum Part 24: New Radio (NR) Base Stations (BS); Release 15.</i> Specifies technical characteristics and methods of measurements for types of radio equipment: Base Stations for New Radio (NR).	2022-10-14
SATS 60034-34 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.	2022-10-14
SANS 62619 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. When there exists a standard specifying test conditions and requirements for cells used in special applications and which is in conflict with this document, the former takes precedence. The following are some examples of applications that utilize cells and batteries under the scope of this document. Stationary applications: telecom, uninterruptible power supplies (UPS), electrical energy storage system, utility switching, emergency power, and similar applications. Motive applications: forklift truck, golf cart, auto guided vehicle (AGV), railway, and marine, excluding road vehicles.	2022-10-14
SANS 61242 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.	2022-10-14
SANS 62196-1 Ed 3	<i>Plugs, socket-outlets, vehicle connectors and vehicle inlets — Conductive charging of electric vehicles Part 1: General requirements.</i> Applies to plugs, socket-outlets, vehicle connectors, vehicle inlets and cable assemblies for electric vehicles (referred to as accessories), intended for use in conductive	2022-10-14

	charging systems which incorporate control means, with a rated operating voltage not exceeding 690 V a.c. 50 Hz to 60 Hz, at a rated current not exceeding 250 A, and 1 500 V d.c. at a rated current not exceeding 400 A.	
SATS 62257-9-5 Ed 1	<i>Recommendations for renewable energy and hybrid systems for rural electrification Part 9-5: Integrated system — laboratory evaluation of stand-alone renewable energy products and rural electrification..</i> Applies to stand-alone renewable energy products having the following characteristics: All components required to provide basic energy services are sold/installed as a kit or integrated into a single component.	2022-10-14
SANS 62443-3-2 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.	2022-10-20

### 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 62282-3-201 Ed 2.1	<i>Fuel cell technologies Part 3-201: Stationary fuel cell power systems — Performance test methods for small fuel cell power systems.</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, and the annex on example of a test operation schedule and referenced standards.	2022-10-14
SANS 60335-2-103 Ed 3.1	<i>Household and similar electrical appliances — Safety Part 2-103: Particular requirements for drives for gates, doors, and windows.</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.	2022-10-14
SANS 60335-2-110 Ed 1.1	<i>Household and similar electrical appliances — Safety. Part 2-110: Particular requirements for commercial microwave appliances with insertion or contacting applicators.</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.	2022-10-14

SANS 60335-2-81 Ed 3.1	<i>Household and similar electrical appliances - Safety Part 2-81: Particular requirements for foot warmers and heating mats.</i>	Amended to update the scope, referenced standards, and the clauses on moisture resistance, supply connection and external flexible cords, resistance to heat and fire radiation, and on radiation, toxicity and similar hazards.	2022-10-14
SANS 61034-2 Ed 3.2	<i>Measurement of smoke density of cables burning under defined conditions Part 2: Test procedure and requirements.</i>	Amended to update the clause on normative references, include cables down to 1 mm diameter, non-circular cables, add guidance on testing cables above 80 mm diameter, delineation of elements of the test report and to include calculation for other parameters for fire safety engineering purposes.	2022-10-20

## 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
CKS 583 Ed 1	<i>Special requirements for resin-treated cellulosic fabrics.</i>	The specification is outdated.	2022-10-23
CKS 562 Ed 1	<i>Mosquito netting.</i>	The specification is outdated.	2022-10-23
CKS 637 Ed 1	<i>Tents (hip-roof, cottage, bow and belt types).</i>	The specification is outdated.	2022-10-23

## 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 61158-3-22:2022 Ed 1	<i>Industrial communication networks — Fieldbus specifications - Part 3-22: Data-link layer service definition — Type 22 elements.</i> Provides common elements for basic time-critical messaging communications between devices in an automation environment.
SANS 23643:2022 Ed 1	<i>Software and systems engineering — Capabilities of software safety and security verification tools.</i> Specifies requirements for the vendors and gives guidelines for both the users and the developers of software safety and security verification tools.
SANS 50005:2022 Ed 1	<i>Energy management systems — Guidelines for a phased implementation.</i> Gives guidance for organizations on establishing a phased approach to implement an energy management system (EnMS).

Standard No. and year	Title, scope and purport
SATS 33074:2022 Ed 1	<i>Information technology — Process assessment — Process capability assessment model for service management.</i> Defines a process assessment model that relies on the process reference model published as ISO/IEC TS 33054 (published in South Africa as an identical adoption under the designation SANS 33054) that meets the requirements of ISO/IEC 33004 (published in South Africa as an identical adoption under the designation SANS 33004) and that supports the performance of an assessment by providing indicators for guidance on the interpretation of the process purposes and outcomes and the process attributes as defined in ISO/IEC 33020 (published in South Africa as an identical adoption under the designation SANS 33020).
SANS 62271-37-013:2022 Ed 2	<i>High-voltage switchgear and controlgear Part 37-013: Alternating current generator circuit-breakers.</i> Applies to three-phase AC high-voltage generator circuit-breakers, hereafter called generator circuit-breakers, designed for indoor or outdoor installation and for operation at frequencies of 50 Hz and 60 Hz on systems having voltages above 1 kV and up to 38 kV.

## 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 62271-209:2022 Ed 2.1	<i>High-voltage switchgear and controlgear Part 209: Cable connections for gas-insulated metal-enclosed switchgear for rated voltages above 52 kV - Fluid-filled and extruded insulation cables — Fluid-filled and dry-type cable-terminations. Consolidated edition incorporating amendment No.1.</i> Amended to update the clause on design and construction and the figure on fluid-filled cable connection assembly - typical arrangement.

## 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 427-1:2006 Ed 1	<i>Terminology work - Vocabulary Part 1: Theory and application</i>

## 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 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.