DEPARTMENT OF TRADE, INDUSTRY AND COMPETITION

NOTICE 3538 OF 2025

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 1784: XXXX Ed 2	Geosynthetics - Identification on site. *This standard specifies the information accompanying geotextiles and geotextile-related products to enable the user on site to identify the goods as being identical to the goods ordered. The positive identification, eg of unwrapped or rolled-out geotextiles, is an important aim of this standard.*	**2025-12-02**
SANS 3001-CO2-2: 202X Ed 3	Civil engineering test methods Part CO2-2: Making and curing of test specimens. *This standard covers the preparation and filling of moulds, compaction of the concrete, levelling the surface, curing and transporting of test specimens.*	**2025-12-02**
SANS 8006-2:20XX Ed 1	Code of practice for strengthened/reinforced soils - Soil nail design. *This standard gives recommendations and guidance for stabilizing soil slopes and faces using soil nails.*	**2025-12-02**
SANS 11623:20xx Ed 3	Gas cylinders - Composite construction - Periodic inspection and testing. *This standard specifies the requirements for periodic inspection and testing and to verify the integrity for further service of hoop-wrapped and fully-wrapped composite transportable gas cylinders, with aluminium-alloy, steel or non-metallic liners or of linerless construction (Types 2, 3, 4, and 5), intended for compressed, liquefied or dissolved gases under pressure, of water capacity from 0,5 L up to 450 L.*	**2025-12-02**
SANS 24748-1:XXXX Ed 1	Systems and software engineering - Life cycle management Part 1: Guidelines for life cycle management. *This standard provides guidance for the life cycle management of systems and software, complementing the processes described in ISO/IEC/IEEE 15288 and ISO/IEC/IEEE 12207.*	**2025-12-02**
SANS 3859:202x Ed 2	Standard test methods for selenium in water. *This standard covers the determination of dissolved and total recoverable selenium in most waters and wastewaters. Applicable to both inorganic and organic forms of dissolved selenium. Applicable also to particulate forms of the element, provided that they are solubilized in the appropriate acid digestion step.*	**2025-12-02**
SANS 8825-1:20xx Ed 2	Information technology - ASN.1 encoding rules - Part 1: Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER). *This standard specifies a set of basic encoding rules that may be used to derive the specification of a transfer syntax for values of types defined using the notation specified in Rec. ITU-T X.680 | ISO/IEC 8824-1, Rec. ITU-T X.681 | ISO/IEC 8824-2, Rec. ITU-T X.682 | ISO/IEC 8824-3, and Rec. ITU-T X.683 | ISO/IEC 8824-4, collectively referred to as Abstract Syntax Notation One or ASN.1.*	**2025-12-02**
SANS 8825-3:20XX Ed 2	Information technology - ASN.1 encoding rules - Part 3: Specification of Encoding Control Notation (ECN). *This standard defines a notation for specifying encodings of ASN.1 types or of parts of types. It provides several mechanisms for such specification, including: direct specification of the encoding using standardized notation; specification of the encoding by reference to standardized encoding rules; specification of the encoding of an ASN.1 type by reference to an encoding structure; specification of the encoding using non-ECN notation.*	**2025-12-02**
SANS 8825-4:20XX Ed 2	Information technology - ASN.1 encoding rules - Part 4: XML Encoding Rules (XER). *This standard specifies XML Encoding Rules (XER) for Abstract Syntax Notation One (ASN.1) values. It provides a way to represent ASN.1 data structures using XML.*	**2025-12-02**
SANS 13843:20xx	Water quality - Guidance on validation of microbiological methods. *This*	**2025-12-02**

Ed 2	*standard deals with characterization of microbiological methods.*	
SANS 24748-1:XXXX Ed 1	Systems and software engineering - Life cycle management Part 1: Guidelines for life cycle management. *This standard provides guidance for the life cycle management of systems and software, complementing the processes described in ISO/IEC/IEEE 15288 and ISO/IEC/IEEE 12207.*	**2025-12-02**
SANS 24748-2:20XX Ed 2	Systems and software engineering - Life cycle management - Part 2: Guidelines for the application of ISO/IEC/IEEE 15288 (System life cycle processes).*This standard addresses the application of system, life cycle, organizational, project, process, and conformance and adaption concepts, principally through references to ISO/IEC/IEEE 24748-1 and ISO/IEC/IEEE 15288*	**2025-12-02**
SANS 61643-01:20XX Ed 1	Low-voltage surge protective devices - Part 01: General requirements and test methods. *This standard applies to devices for surge protection against indirect and direct effects of lightning or other transient overvoltages, hereafter referred to as Surge Protective Devices (SPDs).*	**2025-12-02**
SATR 7052:20xx Ed 1	Software engineering - Controlling frequently occurring risks during development and maintenance of custom software. *This standard describes frequently occurring risks during development and maintenance of custom software, possible controls for frequently occurring risks, activities, facilities and roles typically used for these controls, properties of products and processes, standards, measurements, testing and assessment of the properties of products and processes.*	**2025-12-02**
SATR 61643-03:XXXXX Ed 1	Low-voltage surge protective devices - Part 03: SPD Testing Guide. *This standard applies to SPD testing in accordance with the IEC 61643-x1 series and for SPD coordination and system level immunity purposes.*	**2025-12-02**
SATS 62898-3-1:20XX Ed 1	Microgrids -Part 3-1: Technical requirements - Protection and dynamic control. *The purpose of this part of IEC 62898 is to provide guidelines for the specification of fault protection and dynamic control in microgrids. Protection and dynamic control in a microgrid are intended to ensure safe and stable operation of the microgrid under fault and disturbance conditions.* *This document applies to AC microgrids comprising single or three-phase networks or both. It includes both isolated microgrids and non-isolated microgrids with a single point of connection (POC) to the upstream distribution network. It does not apply to microgrids with two or more points of connection to the upstream distribution network, although such systems can follow the guidelines given in this document. This document applies to microgrids operating at LV or MV or both. DC and hybrid AC/DC microgrids are excluded from the scope, due to the particular characteristics of DC systems (extremely large fault currents and the absence of naturally occurring current zero crossings).* *This document defines the principles of protection and dynamic control for microgrids, general technical requirements, and specific technical requirements of fault protection and dynamic control. It addresses new challenges in microgrid protection requirements, transient disturbance control and dynamic disturbance control requirements for microgrids. It focuses on the differences between conventional power system protection and new possible solutions for microgrid protection functions.* *Depending on specific situations, additional or stricter requirements can be defined by the microgrid operator in coordination with the distribution system operator (DSO).* *This document does not cover protection and dynamic control of active distribution systems.* *This document does not cover product requirements for measuring relays and protection equipment.* *This document does not cover safety aspects in low voltage electrical installations, which are covered by IEC 60364 (all parts and amendments related to low-voltage electrical installations). Requirements relating to low voltage microgrids can be found in IEC 60364-8-2.*	**2025-12-02**
SATS 62898-3-2:20XX Ed 1	Microgrids - Part 3-2: Technical requirements - Energy management systems. *The purpose of this part of IEC 62898 is to provide technical requirements for the operation of energy management systems of microgrids. This document applies to utility-interconnected or islanded microgrids. This document describes specific recommendations for low-voltage (LV) and medium-voltage*	**2025-12-02**

	(MV) systems. *This document focuses on developing standards of energy management systems aimed for microgrids integrated in decentralized energy systems or public distribution grids. It concerns some particularities that are not totally covered by the existing conventional energy system.* *The microgrid energy management systems are being studied by various actors (utilities, manufacturers, and energy providers) on actual demonstration projects and application use case. The aims of this document are to make the state of the art of existing energy management systems used in actual microgrids projects, to classify the relevant functions which can be accomplished by microgrid energy management systems, and to recommend necessary technical requirements for energy management systems of future microgrids.* *This document includes the following items:* *• main performances of key components of microgrid: decentralized energy resources, energy storages and controllable loads),* *• description of main functions and topological blocks of microgrid energy management systems (MEMS),* *• specification of information exchange protocol between main function blocks, linked to microgrid monitoring and control systems (MMCS).* *Main functions of MEMS:* *• power and energy management among different resources within microgrid including active and reactive power flows with different time scales,* *• power and energy forecasts of microgrid,* *• energy balancing between upstream grid and microgrid energy resources according to power and energy forecast and upstream and local constraints,* *• economic and environmental optimization,* *• possible service capacities such as capacity market auctions and resiliency anticipation: new business models,* *• data archiving, trending, reporting and evaluation of operation capacities in various operation modes.* *MEMS can have some other additional functions according to microgrid size and actual application cases:* *• tariff and market trading management,* *• utility ancillary services such as frequency regulation, voltage regulation, power quality and reliability improvement, demand response possibilities, change of operation modes linked to MMCS.*	
SATS 62898-3-3:20XX Ed 1	Microgrids - Part 3-3: Technical requirements - Self-regulation of dispatchable loads. *This part of IEC 62898 deals with frequency and voltage stabilization of AC microgrids by dispatchable loads, which react autonomously on variations of frequency and voltage with a change in active power consumption. Both 50 Hz and 60 Hz electric power systems are covered.* *This document gives requirements to emulate the self-regulation effect of loads including synthetic inertia.* *The loads recommended for this approach are noncritical loads, this means their power modulation will not significantly affect the user as some kind of energy storage is involved which effectively decouples end energy use from the electricity supply by the electric network. The self-regulation of loads is beneficial both in island mode and grid-connected mode. This document gives the details of the self-regulation behaviour but does not stipulate which loads shall participate in this approach as an optional function.* *This document covers both continuously controllable loads with droop control and* *ON/OFF-switchable loads with staged settings. The scope of this document is limited to loads connected to the voltage level up to 35 kV. Reactive power for voltage stabilization and DC microgrids are excluded in this document.* *NOTE 1 If agreed between system operator and grid user, the self-regulating principles outlined in this document can also be applied to loads in other electricity networks, see IEC/ISO Directives, Part 1:2023, C.4.3.2, Example 1.* *NOTE 2 According to 3.1.7, critical loads with an electrical energy storage*	**2025-12-02**

	system such as an uninterruptable power supply are considered as noncritical and therefore dispatchable.	
SATS 62898-3-4:2XXXXX Ed 1	Microgrids -Part 3-4: Technical requirements - Microgrid monitoring and control systems. *The purpose of this part of IEC 62898 is to provide technical requirements for the monitoring and control of microgrids. This document applies to non-isolated or isolated microgrids integrated with distributed energy resources. This document describes the specific recommendations for low-voltage (LV) and medium-voltage (MV) microgrids.* *This document focuses on standardization of the architecture, functions, and operation of microgrid monitoring and control systems (MMCS). It teases out the general functions of MMCS and provides technical requirements for MMCS. This document includes the following aspects of MMCS:* *• system architecture,* *• information exchange with other devices/functions in microgrid,* *• performance requirement,* *• main function descriptions.* *The system architecture for MMCS:* *• For a large scale (installed power > 100 kW) microgrid, microgrid energy management system (MEMS) and MMCS are normally separated. MMCS normally contains data servers, application servers, workstations, routers, information safety devices, SCADA, communication system, distributed generation controller, microgrid central controller, load controller, grid connection interface device and other ancillary equipment.* *• For a small user-side microgrid (normally less than 100 kW), MEMS and MMCS are normally merged into one embedded device with system on chip, which is named as microgrid controller.* *Main functions of MMCS:* *• Data acquisition and processing, including collecting real-time data from the distributed generation, load, switches, transformers and reactive power compensation devices, and calculation and analysis of the acquired data.* *• Database management, including maintaining, synchronizing, backing up, restoring the acquired data, and providing the data interface with other internal and external applications.* *• Human-machine interface, including the real-time monitor screen and interface which is capable of remote control, mode switching, manual data entry, etc.* *• Anti-maloperation locking and alarm, to lock the maloperation based on the predefined rule and logic.* *• Time synchronization, including receiving the time synchronization signal from Global Navigation Satellite System (GNSS) or network time protocol (NTP) and synchronizing the time of each device within the microgrid.* *• Local power quality evaluation and control the ability to collect information of out-of-limit voltage, power factor, harmonic, etc. and carry out control to improve power quality accordingly.* *• Frequency/voltage regulation during steady state operation of an isolated microgrid to provide voltage and frequency inside an accepted operation range.* *• Sequence of operations, or steady transition from power-off to start-up and from start-up to power-off.* *• Switch control of devices within microgrids, including turning on and off loads, generation units, transformers, reactive power compensation devices, etc.* *• Islanding detection, including real-time detection on power outage of the upstream distribution system.* *• Operation mode transition, including transition from grid-connected mode to island mode and transition from island mode to grid-connected mode.* *• Active and reactive power control, including load shedding (if required), load sharing and controlling the active and reactive power in real time according to the MEMS or manual command.* *• Black start, the ability to initiate power sources and loads to ensure the microgrid can initiate operation from a non-energized state.* *• Interface with the protection system or earthing system when adaptations are required according to the microgrid operating modes.*	**2025-12-02**

SANS 2811-1:XXXX Ed 2	Paints and varnishes - Determination of density - Part 1: Pycnometer method. *This standard specifies a method for determining the density of paints, varnishes and related products using a metal or Gay-Lussac pycnometer. The method is limited to materials of low or medium viscosity at the temperature of test. The Hubbard pycnometer (see ISO 3507) can be used for highly viscous materials.*	**2025-12-02**
SANS 6503:20xx Ed 1	Paints and varnishes - Determination of total lead - Flame atomic absorption spectrometric method. *This International Standard describes a flame atomic absorption spectrometric method for the determination of total lead in paints and related products. The method is applicable to products having total lead contents in the range of about 0,Ol to 2 % (m/m).* *NOTE - This method may also be applicable to products with a total lead content of more than 2 % (m/m), but it should only be used when the precision does not exceed the appropriate values given in 7.2.* *Two methods are given for the treatment of the test portion; the dry ashing method (clause 4) should be used as the referee method in cases of dispute.* *For the determination of lead in the test solution, the dithizone spectrophotometric method specified in IS0 3856/l may be used as an alternative method.*	**2025-12-02**
SANS 9622:20XX Ed 2	Whole milk - Determination of milkfat, protein and lactose content - Guidance on the operation of mid-infrared instruments. *This standard gives guidelines for the quantitative compositional analysis of milk and liquid milk products, such as raw milk, processed milk, cream and whey, by measurement of the absorption of mid-infrared radiation.*	**2025-12-02**
SANS 14002-2:20XX Ed 1	Environmental management systems - Guidelines for using ISO 14001 to address environmental aspects and conditions within an environmental topic area Part 2: Water. *This standard Gives general guidelines for organizations seeking to address water-related environmental aspects, environmental impacts, environmental conditions, and the associated risks and opportunities within an environmental management system in accordance with ISO 14001.*	**2025-12-02**
SANS 14071:20XX Ed 1	Environmental management - Life cycle assessment - Critical review processes and reviewer competencies. *This standard specifies requirements and gives guidance for conducting a critical review of any type of life cycle assessment (LCA) study and the competencies required for the review. It provides additional requirements and guidance to ISO 14040 and ISO 14044.*	**2025-12-02**
SANS 14072:20XX Ed 1	Environmental management - Life cycle assessment - Requirements and guidance for organizational life cycle assessment. *This standard specifies additional requirements and gives guidance for an effective application of ISO 14040:2006 and ISO 14044:2006 to organizations*	**2025-12-02**
SANS 14075:20xx Ed 1	Environmental management - Principles and framework for social life cycle assessment. *This standard establishes principles and framework, specifies requirements and gives guidance for the social life cycle assessment (S-LCA) of a product. The framework supports addressing the United Nations (UN) Sustainable Development Goals (SDG) and reaching the targets by identifying the enabling aspects from the inhibiting ones (with detrimental contributions).*	**2025-12-02**
SANS 14093:20xx Ed 1	Mechanism for financing local adaptation to climate change - Performance-based climate resilience grants - Requirements and guidelines. *Establishes an approach and methodology for a country-based mechanism to channel climate finance to subnational authorities to support climate change adaptation and to increase local resilience thereby contributing to the achievement of the goals of the 2015 Paris Agreement of the United Nations Framework Convention on Climate Change (UNFCCC) and the UN Sustainable Development Goals (SDGs).*	**2025-12-02**
SANS 16649-1:20XX Ed 2	Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of beta-glucuronidase-positive Escherichia coli - Part 1: Colony-count technique at 44 degrees Celcius using membranes and 5-bromo-4-chloro-3-indolyl beta-D-glucuronide. *This standard specifies a horizontal method for the enumeration of beta-glucuronidase-positive Escherichia coli by colony-count technique after resuscitation using membranes and incubation at 44 °C*	**2025-12-02**

	on a solid medium containing a chromogenic ingredient for detection of the enzyme â-glucuronidase.	
SANS 59014:20xx Ed 1	Environmental management and circular economy - Sustainability and traceability of the recovery of secondary materials - Principles, requirements and guidance. *This standard provides principles, requirements and guidance for organizations in fostering the sustainability and traceability of activities and processes for the recovery of secondary materials.* *This document also specifies requirements and provides guidance for organizations that engage with individuals involved in subsistence activities (SAs) as part of the organization's activities and processes for the recovery of secondary materials, with the aim of ensuring safe and healthy working conditions and the continual improvement of the well-being, livelihoods and professional practices of those individuals.*	**2025-12-02**
SANS 61131-2:20xx Ed 3	Industrial-process measurement and control - Programmable controllers - Part 2: Equipment requirements and tests. *This standard specifies functional and electromagnetic compatibility requirements and related verification tests for industrial control equipment of the following types:* *-programmable controllers (PLC);* *-programmable automation controller (PAC);* *-remote I/O;* *-programming and debugging tools (PADTs);* *-industrial PC (computers) and industrial panel PC;* *-displays and human-machine Interfaces (HMI) for industrial use;* *-distributed control system (DCS), and DCS components that are listed here in the scope* *-any product where the primary purpose is performing the function of industrial control equipment, including PLC and/or PAC, and/or their associated peripherals which have as their intended use the control and command of machines, automated manufacturing and industrial processes, e.g. discrete, batch and continuous control.*	**2025-12-02**
SANS 7218: 20XX Ed 3	Microbiology of the food chain - General requirements and guidance for microbiological examinations. *This standard specifies general requirements and gives guidance on microbiological examinations.*	**2025-12-02**

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 227: XXXX Ed 4.5	***Burnt clay masonry units.***	Amended to remove the appendix on notes to purchasers, and to update referenced standard(s).	**2025-12-03**
SANS 871: 202X Ed 2.2	*Boron timber preservatives*	Amended to update referenced standards, and to delete the notes to purchasers.	**2025-12-03**
SANS 1022: 20XX Ed 2.4	*Metal roofing tiles*	Amended to update the subcluse on aluminium alloy sheets.	**2025-12-03**
SANS 1460: XXXX Ed 1.6	*Laminated timber (glulam)*	Amended to delete the annex on notes to purchasers.	**2025-12-03**
SANS 419: 20XX Ed 2.2	*E glass fibre chopped strand mat for reinforcement of polyester and other liquid laminating systems*	Amended to delete the annex on notes to purchasers.	**2025-12-03**
SANS 974-2:20XX Ed 1.2	*Rubber joint rings (non-cellular) Part 2: Joint rings for use in the dairy industry*	Amended to update referenced standards, and to delete the appendix on notes to purchasers.	**2025-12-02**
SANS 1910:20XX Ed 2.1.	*Portable refillable fire extinguishers*	Amended to update the clause on components of an extinguisher, the clause on corrosion resistance of components, the clause on internal coatings for water type fire extinguishers, to remove the clause on	**2025-12-02**

		dissimilar metals, to modify the clause on discharge hose assemblies, the clause on pressure indicators, the clause on production tests, the clause on burst test, the clause on internal corrosion protection, the clause on hydrostatic pressure test on hose, to remove a clause on discharge hoses and on water based extinguisher.	
SANS 10111-1:20XX Ed 3.3	*Engineering drawings Part 1: General principles*	Amended to update referenced standards.	**2025-12-02**
SANS 142:20xx Ed 2.5	*Narrow elastic fabrics and strip*	Amended to update referenced standards and delete annex on notes to purchasers.	**2025-12-02**
SANS 1351:20XX Ed 2.1	*Canvas tentage and tarpaulin webbing*	Amended to update referenced standards and delete annex on notes to purchasers.	**2025-12-02**
SANS 1444 SET Ed 2.4	*Schoolwear fabrics Parts 1 - 8, bound together, loose leaf, binder extra*	Amended to update normative references and delete annex on notes to purchasers.	**2025-12-02**
SANS 2084: XXXX Ed 1.1	*Menstrual cups*	Amended to change title and update requirements on biocompatability.	**2025-12-02**
SANS 10153: XXXX Ed 1.2	*The labelling and marking of textiles and household textile articles*	Amended to update referenced standards and statutory requirements in the foreword.	**2025-12-02**
SANS 61850-6:20XX Ed 1.2	*Communication networks and systems for power utility automation Part 6: Configuration description language for communication in electrical substations related to IEDs*	Amended to update functional extensions concerning the engineering process to improve files exchange followup, SCL elements identification and control configuration handling, and to provide clarifications and corrections.	**2025-12-02**
SANS 1763:20XX Ed 1.3	*Decorative melamine-faced boards*	Amended to delete the annex on notes to purchasers.	**2025-12-02**
SANS 347:2025 Ed 3.2	*Categorization and conformity assessment criteria for all pressure equipment*	Amended to update the clause on conformity assessments criteria, the annex on declaration of conformity requirements for RSA/CI/OHSA marked pressure equipment (non-nuclear use), and the annex on Declaration of conformity requirements for RSA/CI/OHSA marked pressure equipment (nuclear use).	**2025-11-02**
SANS 713: XXXX Ed 2.3	*Unsaturated polyester (UP) resin systems*	Amended to remove the annex on notes to purchasers.	**2025-12-02**
SANS 10019:20XX Ed 9.2	*Transportable pressure receptacles for compressed, dissolved and liquefied gases - Basic design, manufacture, use and maintenance*	Amended to update refenced standards, the clauses on design and manufacturing requirements, valves, marking, labelling, colour coding and certificates, and the annex on list of acceptable manufacturing standards for gas pressure receptacles.	**2025-11-02**
SANS 60079-10-1:20XX Ed 3 and IEC corr.1	*Explosive atmospheres Part 10-1: Classification of areas - Explosive gas atmospheres*	Corrected to update the annex on estimation of sources of release.	**2025-12-02**
SANS 60079-11:20XX Ed 5 and IEC corr. 1 and IEC interpretation sheets 1, 2,3	*Explosive atmospheres Part 11: Equipment protection by intrinsic safety "i"*	Amended to add a new interpretation sheet that clarifies the significance of the latest changes.	**2025-12-02**
SANS 60079-0:2019 Ed 5 and IEC corr. 1 and IEC interpretation sheets 1, 2	*Explosive atmospheres Part 0: Equipment - General requirements*	Amended to clarify the significance of the latest changes.	**2025-12-02**
SANS 999:20XX Ed 3.3	*Anodized coatings on aluminium (for architectural applications)*	Amended to delete the notes to purchasers.	**2025-12-02**

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 2097:2025 Ed 1	Toilet soap – Specification. *This standard specifies requirements, sampling and test methods for toilet soap.*
SANS 3078:2025 Ed. 1	Non-combusted tobacco products - Heated tobacco products and electrical tobacco heating devices – Specification. *This standard specifies perfomance requirements for heated tobacco prodects and tobacco heating devices.*
SATS 33010:2025 Ed 1	Information technology - Process assessment - Guidance for performing process assessments. *This standard provides an overview of process assessment and interprets the requirements of ISO/IEC 33002 (published in South Africa as an identical adoption under the designation SANS 33002) and ISO/IEC 33004 (published in South Africa as an identical adoption under the designation SANS 33004) through the provision of guidance on the selection and use of assessment models, documented assessment processes, and instruments or tools for assessment.*
SANS 33401:2025 Ed 1	Reference materials - Contents of certificates, labels and accompanying documentation. *This standard intends to help reference material producers (RMPs) in preparing clear and concise documentation to accompany a reference material (RM).*
SANS 33403:2025 Ed 1	Reference materials - Requirements and recommendations for use. *This standard describes good practice in using reference materials (RMs), and certified reference materials (CRMs) in particular, in measurement processes.*
SANS 33405:2025 Ed 1	Reference materials - Approaches for characterization and assessment of homogeneity and stability. *This standard xxplains concepts and provides approaches to the following aspects of the production of reference materials (RMs):* *- the assessment of homogeneity;* *- the assessment of stability and the management of the risks associated with possible stability issues related to the properties of interest;* *- the characterization and value assignment of properties of an RM;* *- the evaluation of uncertainty for certified values;* *- the establishment of the metrological traceability of certified values.*
SANS 33407:2025 Ed 1	Guidance for the production of pure organic substance certified reference materials. *This standard notes the requirements of ISO 17034 (published in South Africa as an identical adoption under the designation SANS 17034) and provides specific guidance on technical considerations for the production of pure organic substance certified reference materials (CRMs) that are used by laboratories to calibrate measurement equipment and procedures and to establish metrological traceability of the respective results.*
SANS 56001:2025 Ed 1	Innovation management system – Requirements. *This standard provides requirements and guidance for establishing, implementing, maintaining, and improving an innovation management system.*
SANS 56008:2025 Ed 1	Innovation management - Tools and methods for innovation operation measurements – Guidance. *This standard provides guidance for the definition, implementation, evaluation, and improvement of the measurements necessary to effectively manage innovation activities in an organization.*

Standard No. and year	Title, scope and purport
SATS 62271-319:2025 Ed 1	High-voltage switchgear and controlgear - Part 319: Alternating current circuit-breakers intended for controlled switching. *This standard applies to alternating current circuit-breakers with intentional non-simultaneous pole operation designed for indoor or outdoor installations and for operation at frequencies of 50 Hz and 60 Hz on systems having voltages above 1 000 V.*
SANS 62933-5-1:2025 Ed 1	Electrical energy storage (EES) systems - Part 5-1: Safety considerations for grid-integrated EES systems - General specification. *This standard specifies safety considerations (e.g. hazards identification, risk assessment, risk mitigation) applicable to EES systems integrated with the electrical grid.*

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 1329-3:2025 Ed 2.05	Retro-reflective and fluorescent warning signs for road vehicles Part 3: Signs other than triangles, chevron signs and abnormal load vehicle signs. *This standard covers requirements for signs, including decals, that are retro reflective and fluorescent, and that are intended to indicate the maximum permissible speed.*
SANS 1553-2:2025 Ed 1.04	PVC-U window and door frames for external use Part 2: Windows with frames made from PVC-U profiles. *This standard specifies requirements for the materials, construction, types, dimensions, properties and performance of windows with frames made from extruded unplasticized poly(vinyl chloeide) (PVC-U) profiles which meet the requirements of SANS 1553-1.*
SANS 1920:2025 Ed 1.03	Mixtures of copper azole compounds for timber preservation. *This standard specifies the requirements for a concentrated mixture of copper azole compounds (in a liquid form) that, when diluted, is intended for use as a timber preservative.*
SANS 5221:2025 Ed 4.06	Microbiological analysis of water - General test methods. *This standard describes methods for the detection and enumeration, in potable water, non-potable water and effluent water, of total coliform bacteria, faecal coliform bacteria, E. coli and heterotrophic bacteria*.
SANS 61084-2-3:2025 Ed 1.01	Cable trunking systems and cable ducting systems for electrical installations - Part 2-3: Particular requirements - Slotted cable trunking systems intended for installation in cabinets. *This standard specifies requirements and tests for cable trunking systems (CTS) and cable ducting systems (CDS) intended for the accommodation, and where necessary for the electrically protective separation, of insulated conductors, cables and possibly other electrical equipment in electrical and/or communication systems installations.*

SCHEDULE B.3: Revised STANDARDS

The following standards have been revised in terms of section 24(1)(a) of the Standards Act.

Standard No. and year	Title, scope and purport
SANS 342:2025 Ed 6	Automotive fuel - Requirements and test methods for Diesel. *This standard specifies the grades of automotive diesel fuel suitable for use in engines, including high-speed engines, containing up to a volume fraction of 5 % of automotive biodiesel or Fatty Acid Methyl Ester (FAME) in accordance with SANS 1935, or any fraction of biodiesel other than FAME.*

SANS 1393:2025 Ed 2	Construction management systems – Requirements. *This standard specifies requirements for a construction management system when a contractors need to demonstrate their ability to consistently provide products and services that meet customer and applicable statutory and regulatory requirements*
SANS 1438:2025 Ed 2	Portable light assemblies for underground use in mines. *This standard covers the design, construction and performance of cap lamps for miners and portable locomotive light assemblies.*
SANS 1555:2025 Ed 3	Roadworks delineators. *This standard specifies the characteristics of roadworks delineators used to divert road traffic at roadworks*
SANS 1877:2025 Ed 2	A standard land-cover classification scheme for remote-sensing applications in South Africa. *This standard presents a standard hierarchical framework for the classification of remotely sensed data, designed to suit the South African environment.*
SANS 4892-2:2025 Ed 2	Plastics - Methods of exposure to laboratory light sources Part 2: Xenon-arc lamps. *This standard specifies methods for exposing specimens to xenon-arc light in the presence of moisture to reproduce the weathering effects (temperature, humidity and/or wetting) that occur when materials are exposed in actual end-use environments to daylight or to daylight filtered through window glass.*
SANS 60669-2-2:2025 Ed 3	Switches for household and similar fixed electrical installations Part 2-2: Particular requirements - Electromagnetic remote-control switches (RCS). *This standard applies to electromagnetic remote control switches (hereinafter referred to as electromagnetic RCS) with a rated voltage not exceeding 440 V AC and a rated current not exceeding 63 A, intended for household and similar fixed electrical installations, either indoors or outdoors.*
SANS 62271-211:2025 Ed 2	High-voltage switchgear and controlgear - Part 211: Direct connection between power transformers and gas-insulated metal-enclosed switchgear for rated voltages above 52 Kv. *This standard applies to single- and three-phase direct connections between gasinsulated metal-enclosed switchgear (GIS) for rated voltages above 52 kV and transformer arrangements to establish electrical and mechanical interchange ability and to determine the limits of supply for the transformer connection.*
SANS 62305-1:2025 Ed 3	Protection against lightning Part 1: General principles. *This standard provides general principles to be followed for the protection of structures against lightning, including their installations and contents, as well as persons*
SANS 62305-2:2025 Ed 3	Protection against lightning Part 2: Risk management. *This standard applies to risk assessment for a structure owing to lightning flashes to earth. Provides a procedure for the evaluation of such a risk. Allows for the selection of appropriate protection measures to be adopted to reduce the risk to or below the tolerable limit.*
SANS 62305-3:2025 Ed 3	Protection against lightning Part 3: Physical damage to structures and life hazard. *This standard provides requirements for the protection of a structure against physical damage by means of a lightning protection system (LPS), and for protection against injury to living beings due to touch and step voltages in the vicinity of an LPS.*
SANS 62305-4:2025 Ed 3	Protection against lightning Part 4: Electrical and electronic systems within structures. *This standard provides information for the design, installation, inspection, maintenance and testing of electrical and electronic system protection to reduce the risk of permanent failures due to lightning electromagnetic impulse within a structure.*

If your organization is interested in participating in these committees, or would like to send comments on draft documents, 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.