

DEPARTMENT OF TRADE, INDUSTRY AND COMPETITION

NOTICE 3481 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 15005: XXXX Ed 2	<i>Road vehicles - Ergonomic aspects of transportation and control systems - Dialogue management principles and compliance procedures.</i> This standard specifies ergonomic principles for the design of the dialogues that take place between the driver of a road vehicle and the vehicle's transport information and control systems (TICS) while the vehicle is in motion.	2025-10-28
SANS 20248: XXXX Ed 2 and ISO/IEC amdt 1	<i>Information technology - Automatic identification and data capture techniques - Data structures - Digital signature meta structure.</i> This standards specifies the meta data structure, the DigSig, which contains the digital signature and encoded structured data, the public key certificate parameter and extension use, the DigSig certificate, which contains the certified associated public key, the structured data description, the read methods, and private containers, the method to specify, read, describe, sign, verify, encode, and decode the structured data, the DigSig Data Description, the DigSig EncoderGenerator which generates the relevant asymmetric key pairs, keeps the private key secret, and generates the DigSigs, and the DigSig DecoderVerifier which, by using to the DigSig certificate, reads the DigSig from the set of data carriers, verifies the DigSig and extracts the structured data from the DigSig.	2025-10-28
SANS 457-3: 202X Ed 9	<i>Wooden poles, droppers and guardrail posts - Part 3: Hardwood species.</i> This standard specifies requirements for preservative-treated hardwood structural poles, agricultural poles, fencing poles, round droppers, guardrail posts and spacer blocks.	2025-10-28
SATS 62840-1: XXXXXX Ed 1	<i>Electric vehicle battery swap system -Part 1: General and guidance.</i> This standard gives the general overview for battery swap systems, for the purposes of swapping batteries of electric road vehicles (EVs) when the vehicle powertrain is turned off and when the battery swap system is connected to the supply network at standard supply voltages according to IEC 60038 with a rated voltage up to 1 000 V AC and up to 1 500 V DC. This document is applicable for battery swap systems for EV equipped with one or more swappable battery system (SBS).	2025-10-28
SANS 15118-9:XXXXX Ed 1	<i>Road vehicles - Vehicle to grid communication interface - Part 9: Physical and data link layer conformance test for wireless communication.</i> This document 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 WLAN-based high-level communication (HLC) according to ISO 15118-8 and against the background of ISO 15118-1. These conformance tests specify the testing of capabilities and behaviours of an SUT, as well as checking what is observed against the conformance requirements specified in ISO 15118-8 and against what the implementer states the SUT implementation's capabilities are. The capability tests within the ATS check that the observable capabilities of	2025-10-28

	<p>the SUT are in accordance with the static conformance requirements defined in ISO 15118-8. The behaviour tests of the ATS examine an implementation as thoroughly as practical over the full range of dynamic conformance requirements defined in ISO 15118-8 and within the capabilities of the SUT (see NOTE below).</p> <p>A test architecture is described in correspondence to the ATS. The abstract test cases in this document are described leveraging this test architecture and are specified in descriptive tabular format for the ISO/OSI physical and data link layers (layers 1 and 2)</p>	
SANS 61980-2: XXXXX Ed 1	<p><i>Electric vehicle wireless power transfer (WPT) systems -Part 2: Specific requirements for MF-WPT system communication and activities.</i> This part of IEC 61980 addresses communication and activities of magnetic field wireless power transfer (MF-WPT) systems. The requirements in this document are intended to be applied for MF-WPT systems according to IEC 61980-3 and ISO 19363. The aspects covered in this document include</p> <ul style="list-style-type: none"> - Operational and functional characteristics of the MF-WPT communication systems and related activities, and - Operational and functional characteristics of the positioning system. <p>The following aspects are under consideration for future documents.</p> <ul style="list-style-type: none"> - Requirements for two- and three-wheel vehicles; - Requirements for MF-WPT systems supplying power to EVs in motion; - Requirements for bidirectional power transfer. 	2025-10-28
SANS 61980-3: XXXXXX Ed 1	<p><i>Electric vehicle wireless power transfer (WPT) systems -Part 3: Specific requirements for magnetic field wireless power transfer systems.</i> This part of IEC 61980 applies to the off-board supply equipment for wireless power transfer via magnetic field (MF-WPT) to electric road vehicles for purposes of supplying electric energy to the RESS (rechargeable energy storage system) and/or other on-board electrical systems. The MF-WPT system operates at standard supply voltage ratings per IEC 60038 up to 1 000 V AC and up to 1 500 V DC from the supply network. The power transfer takes place while the electric vehicle (EV) is stationary. Off-board supply equipment fulfilling the requirements in this document are intended to operate with EV devices fulfilling the requirements described in ISO 19363. The aspects covered in this document include</p> <ul style="list-style-type: none"> - the characteristics and operating conditions, - the required level of electrical safety, - requirements for basic communication for safety and process matters if required by a MF-WPT system, - requirements for positioning to assure efficient and safe MF-WPT power transfer, and - specific EMC requirements for MF-WPT systems. <p>The following aspects are under consideration for future documents:</p> <ul style="list-style-type: none"> - requirements for MF-WPT systems for two- and three-wheel vehicles, - requirements for MF-WPT systems supplying power to EVs in motion, - requirements for bidirectional power transfer, - requirements for flush mounted primary device, - requirements for MF-WPT systems for heavy duty vehicle, and - requirements for MF-WPT systems with inputs greater than 11,1 kVA. <p>This document does not apply to</p> <ul style="list-style-type: none"> - safety aspects related to maintenance, and - trolley buses, rail vehicles and vehicles designed primarily for use off-road. <p>NOTE The terms used in this document are specifically for MF-WPT</p>	2025-10-28
SANS 62840-2: XXXXX Ed 1	<p><i>Electric vehicle battery swap system -Part 2: Safety requirements.</i> This part of IEC 62840 provides the safety requirements for a battery swap system, for the purposes of swapping swappable battery system (sbs) of electric vehicles. The battery swap system is intended to be connected to the supply network. The power supply is up to 1 000 V AC or up to 1 500 V d.c, in accordance with IEC 60038. This standard also applies to battery swap systems supplied from on-site storage systems (e.g. buffer batteries). Aspects covered in this standard:</p> <ul style="list-style-type: none"> • Safety requirements of the battery swap system and/or its systems; • Security requirements for communication 	2025-10-28

	<ul style="list-style-type: none"> • Electromagnetic compatibility (EMC) • Signs and instructions • Protection against electric shock and other hazards <p>This standard is applicable to battery swap systems for EV equipped with one or more SBS.</p> <p>NOTE Battery swap systems for light EVs according to the IEC 61851-3 series1 are under consideration. This standard is not applicable to:</p> <ul style="list-style-type: none"> • aspects related to maintenance and service of the battery swap station (BSS); • trolley buses, rail vehicles and vehicles designed primarily for use off-road; • maintenance and service of EVs. 	
SANS 62840-3:XXXXX Ed 1	<i>Electric vehicle battery swap system - Part 3: Particular Safety and interoperability requirements for battery swap systems operating with removable RESS/battery systems.</i> This standard applies to battery swap systems for removable RESS of electric road vehicle when connected to the supply network, with a rated supply voltage up to 480 V AC or up to 400 V DC, for battery systems with a rated voltage up to 120 V DC. This document applies to battery swap systems for removable RESS/EV where the removable RESS/EV is stored for the purpose of transfer power between the battery swap station and removable RESS/EV. Requirements for bidirectional energy transfer DC to AC are under consideration and are not part of this document. This document applies to: battery swap systems supplied from on-site storage systems (for example buffer batteries etc); manual, mechanically assisted and automatic systems; battery swap systems intended to supply removable battery systems having communication allowing to identify the battery system characteristics; battery swap systems intended to be installed at an altitude of up to 2 000 m.	2025-10-28
SANS 63110-1:XXXXX Ed 1	<i>Protocol for management of electric vehicles charging and discharging infrastructures -Part 1: Basic definitions, use cases and architectures.</i> This standard covers the definitions, use cases and architecture for the management of electric vehicle charging and discharging infrastructures. It addresses the general requirements for the establishment of an e-mobility eco-system, therefore covering the communication flows between different e-mobility actors as well as data flows with the electric power system. This document covers the following features: management of energy transfer (e.g., charging session), reporting, including information exchanges related to the required energy, grid usage, contractual data, and metering data; asset management of EVSE, including controlling, monitoring, maintaining, provisioning, firmware update and configuration (profiles) of EVSE; authentication/authorization/payment of charging and discharging sessions, including roaming, pricing, and metering information; the provision of other e-mobility services; cybersecurity.	2025-10-28
SANS 63119-2:XXXXX Ed 1	<i>Information exchange for electric vehicle charging roaming service -Part 2: Use cases.</i> This standard specifies roaming use cases of information exchange between EV charging service providers (CSP), charging station operators (CSOs) and clearing house platforms through roaming endpoints. The elementary use cases defined in this document are designed to support the user to have access to the EV supply equipment which does not belong to the home-CSP.	2025-10-28
SANS 10089-3:20XX Ed 5	<i>The petroleum industry Part 3: The installation, modification, and decommissioning of underground storage tanks, pumps/dispensers and pipework at service stations and consumer installations.</i> This standard covers provisions for the installation of underground storage tanks of individual capacity not exceeding 85 000 m ³ , pumps/dispensers and pipework at service stations and consumer installations.	2025-10-28
SANS 17575-1:20XX Ed 1	<i>Electronic fee collection - Application interface definition for autonomous systems Part 1: Charging</i>	2025-10-28
SANS 19167:20xx Ed 1	<i>Application of ubiquitous public access to-geographic information to an air quality information service.</i> This standard facilitates an understanding of the Ubiquitous Public Access (UPA) context information model, as defined in ISO 19154, to establish a UPA-to-Geographic Information (GI) environment. In addition, this document illustrates how the UPA context information model is designed and implemented to provide an air quality information service from a geographic information system (GIS)-based air quality information system.	2025-10-28

SANS 15963-1:20xx Ed 3	<i>Information technology - Radio frequency identification for item management - Part 1: Unique identification for RF tags numbering systems.</i> This standard describes numbering systems that are available for the identification of RF tags and assigns various allocation classes to various agencies that issue manufacturer codes.	2025-10-28
SANS 17575-2:20XX Ed 1	<i>Electronic fee collection - Application interface definition for autonomous systems - Part 2: Communication and connection to the lower layer.</i> This standard defines how to convey all or parts of the data element structure defined in other parts of ISO 17575 over any communication stack and media suitable for this application.	2025-10-28
SANS 29100:20xx Ed 2	<i>Information technology - Security techniques - Privacy framework.</i> This standards provides a privacy framework which: - specifies a common privacy terminology - defines the actors and their roles in processing personally identifiable information (PII) - describes privacy safeguarding considerations - provides references to known privacy principles for information technology.	2025-10-28
SANS 55000:20xx Ed 2	<i>Asset management - Vocabulary, overview and principles.</i> This standard defines terms and establishes principles and outcomes for asset management.	2025-10-28
SANS 56000:20xx Ed 2	<i>Innovation management - Fundamentals and vocabulary.</i> This standard defines terms for and establishes the fundamental concepts and principles of innovation management	2025-10-28
SANS 37001:20XX Ed 2	<i>Anti-bribery management systems - Requirements with guidance for use.</i> This standard establishing, implementing, maintaining, and improving an anti-bribery management system, and offers requirements and guidance for setting up systems designed to help organizations prevent, detect, and respond to bribery, as well as comply with anti-bribery laws and voluntary commitments applicable to their activities.	2025-10-28
SANS 8233:XXXX Ed 1	<i>Standard Guide for Packaging and Labeling of Consumer Resin Cannabis Products for Sale to Adult Consumers, Legally Authorized Medical Users, and Caregivers in a Business-to-Consumer Retail Environment (Retailers).</i> This guide is for the packaging and labeling of cannabis flowers, resins, and preparations derived therefrom for sale to adult consumers, legally authorized medical users, and care givers in a business-to-consumer/patient/caregiver retail environment and other legal distribution channels. This includes labeling of products, regardless of packaging format, that will be purchased by adults in retail dispensaries, pharmacies, or other distribution methods (for example, postal shipment).	2025-10-28
SANS 14083:20xx Ed 1	<i>Greenhouse gases - Quantification and reporting of greenhouse gas emissions arising from transport chain operations.</i> This standard establishes a common methodology for the quantification and reporting of greenhouse gas (GHG) emissions arising from the operation of transport chains of passengers and freight.	2025-10-28
SANS 3001-CO2-3:202X Ed 1	<i>Civil engineering test methods - Part CO2-3: Compressive strength of hardened concrete.</i> This standard specifies a method of determining the compressive strength of test specimens of hardened concrete. The test specimens may consist of cubes or cylinders, or cubes cut from half prisms that have been used for the determination of flexural strength (see SANS 3001-CO2-5).	2025-10-28
SANS 3001-CO2-7:202X Ed 1	<i>Civil engineering test methods Part CO2-7: Initial drying shrinkage and wetting expansion of concrete.</i> This standard specifies a method of determining the initial drying shrinkage and wetting expansion of specimens of freshly cast concrete. It is not applicable to matured or hardened concrete or to concrete that contains expansion-inducing agents or to precast concrete products.	2025-10-28
SANS 3001-CO2-8:202X Ed 1	<i>Civil engineering test methods Part CO2-8: Density of hardened concrete.</i> This standard specifies a method of determining the density of hardened concrete. The method is applicable to all types of as-received, saturated and oven-dried concrete.	2025-10-28
SANS 3001-CO2-6:20XX Ed 1	<i>Civil engineering test methods Part CO2-6: Tensile splitting strength of hardened concrete.</i> This standard describes a method of determining the tensile splitting strength of cylindrical, cubical, and prismatic test specimens of	2025-10-28

	hardened concrete. □	
SANS 3001-CO2-10:202X Ed 1	<i>Civil engineering test methods Part CO2-10: Mortar tests - Initial drying shrinkage and wetting expansion of mortar.</i> This standard Specifies a method of determining the initial drying shrinkage and wetting expansion of freshly mixed mortar and cast mortar specimens prepared either on site from mortar actually being used in practice or from mortar prepared in the laboratory with materials and in the proportions intended to be used.	2025-10-28
SANS 3001-CO2-9:202X Ed 1	<i>Civil engineering test methods Part CO2-9: Mortar tests - Compressive strength of mortar.</i> This standard specifies a method of determining the compressive strength of freshly mixed mortar and cast mortar specimens prepared either on site from mortar actually being used in practice or from mortar prepared in the laboratory with materials and in the proportions intended to be used.	2025-10-28
SANS 3001-CO2-1:202X Ed 1	<i>Civil engineering test methods - Part CO2-1: Dimensions, tolerances and uses of cast test specimens.</i> This standard specifies a method of ensuring that the nominal dimensions and shape of cast concrete test specimens in the form of cubes, cylinders, or rectangular prisms of square cross-section are suitable for their intended use.	2025-10-28
SANS 3001-CO2-5:202X Ed 1	<i>Civil engineering test methods Part CO2-5: Flexural strength of hardened concrete.</i> This standard specifies two methods of determining the flexural strength of hardened concrete: a) the two-point loading method that produces a constant bending moment along the central part of the test specimen, which is the standard method; and b) the centre-point loading method, which is an alternative method. NOTE The centre-point loading method is likely to give higher values for the flexural strength than the two-point loading method.	2025-10-28
SANS 24748-2:20XX Ed 2	<i>Systems and software engineering - Life cycle management - Part 2: Guidelines for the application of ISO/IEC/IEEE 15288 (System life cycle processes).</i> 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	2025-10-28

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 1449: XXXX Ed 2.3	<i>Ceramic wall and floor tiles</i>	Amended to update the requirements for Abrasion-testing machine and to delete the annex on notes to purchasers.	2025-10-28
SANS 1522: 20XX Ed 2.3	<i>Fire extinguishing powders</i>	Amended to include additional requirements and to update the analysis of the monoammonium phosphate content.	2025-10-28
SANS 564: 20XX Ed 1.2	<i>Rubber insertion sheeting</i>	Amended to delete the annex on notes to purchasers.	2025-10-28
SANS 580: 20XX Ed 1.3	<i>Chloroprene rubber sheet (for waterproofing)</i>	Amended to delete the annex/appendix on notes to purchasers.	2025-10-28
SANS 938:20xx Ed 1.4	<i>Unpolished twines</i>	Amended to update referenced standards, and to delete the appendix on notes to purchasers.	2025-10-28
SANS 1292: XXXX Ed 1.3	<i>Castors for furniture</i>	Amended to delete the appendix on notes to purchasers	2025-10-28
SANS 1318:20XX Ed 1.2	<i>Scholastic stationery</i>	Amended to update requirements on grammage in table 1 and table 2, delete bursting strength in table 2 and update type of cover in table 4.	2025-10-28
SANS 1446:20XX Ed 1.4	<i>Glass rovings.</i>	Amended to delete the appendix on notes to purchasers.	2025-10-28

SANS 1385: XXXX Ed 1.6	<i>Kitchen cupboards: Built-in and free-standing</i>	Amended to delete the appendix on notes to purchasers.	2025-10-28
SANS 564:20XX Ed 1.2	<i>Rubber insertion sheeting</i>	amended to delete the appendix on notes to purchasers.	2025-10-28
SANS 60317-8:20xx Ed 2.1	<i>Specifications for particular types of winding wires Part 8: Polyesterimide enamelled round copper wire, class 180</i>	Amended to update referenced standards as they relate to the clause on electrical resistance, and on resistance to refrigerants, as well as to modify the clause on terms, definitions and general notes on methods of test and appearance, and on resistance to transformer oil.	2025-10-28
SANS 60317-15:20xx Ed 1.1	<i>Specifications for particular types of winding wires -Part 15: Polyesterimide enamelled round aluminium wire, class 180</i>	Amended to update referenced standards, the clause on terms, definitions, general notes, and appearance, as well as the requirements for electrical resistance, and for resistance to transformer oil.	2025-10-28
SANS 911: XXXX Ed 3.4	<i>Natural fibre ropes</i>	Amended to update referenced standards and to delete annex on notes to purchasers.	2025-10-28
SANS 3001-AS2:202X Ed 1.1	<i>Civil engineering test methods Part AS2: Determination of Marshall stability, flow and quotient</i>	Amended to update the introduction, to modify the procedure and calculations.	2025-10-28
SANS 871:202x Ed 2.2	<i>Boron timber preservatives</i>	Amended to update referenced standards, and to delete the notes to purchasers	2025-10-28
SANS 2084: XXXX Ed 1.1	<i>Menstrual cups</i>	Amended to change title and update requirements on biocompatibility.	2025-10-28

For access to these draft standards, visit <https://www.sabs.co.za/Standards-Development/draft/drafts.asp>

Should you wish to comment on the above documents, please send your comments to Dsscomments@sabs.co.za

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.