

DEPARTMENT OF TRADE, INDUSTRY AND COMPETITION

NOTICE 2407 OF 2024

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

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 61850-6 Ed 1.1	<i>Communication networks and systems for power utility automation – Part 6: Configuration description language for communication in electrical substations related to IEDs.</i>	Amended to update functional extensions added based on changes in other parts, especially parts 7-2 and 7-3; functional extensions concerning the engineering process, especially for configuration data exchange between system configuration tools, added; provision of clarifications and corrections. Issues that require clarification are published in a database available at http://tissue.iec61850.com . Arising incompatibilities are listed in 8.2.3. Updated to resolve interop Issues which have already followed the technical issues (Tissues) process as described in IEC 61850-1 and have reached the green “status”; resolve editorial tissues which may have lead to interoperability issues.	2024-05-21
SANS 61850-5 Ed 2.1	<i>Communication networks and systems for power utility automation – Part 5: Communication requirements for functions and device models.</i>	Amended to update the extensions of the requirements with some logical nodes, errors and typos have been corrected, harmonization of all logical node descriptions (impact on all logical node tables), re-organization of selected clause structures, updating of headlines, and re-ordering subclauses in the chapter about performances to provide ease of reading and understanding of the requirements for the IEC 61850 series and consistent and updated requirement references for the data model and communication service parts.	2024-05-21

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

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**

Standard No. and year	Title, scope and purport
SANS 60534-1:2024 Ed 1	<i>Industrial-process control valves – Part 1: Control valve terminology and general considerations.</i> Applies to all types of industrial-process control valves (hereinafter referred to as control valves).
SANS 60534-5:2024 Ed 1	<i>Industrial-process control valves – Part 5: Marking.</i> Specifies mandatory and supplementary markings of control valves.
SANS 60601-2-41:2024 Ed 1	<i>Medical electrical equipment – Part 2-41: Particular requirements for the basic safety and essential performance of surgical luminaires and luminaires for diagnosis.</i> Applies to the basic safety and essential performance of surgical luminaires and luminaires for diagnosis, hereafter referred to as ME equipment.
SANS 61851-1-1:2024 Ed 1	<i>Electric vehicle conductive charging system – Part 1-1: Specific requirements for electric vehicle conductive charging system using type 4 vehicle coupler.</i> Applies to a new type of AC EV supply equipment for charging electric road vehicles, with a rated supply voltage up to 1 000 V AC and a rated output voltage up to 1 000 V AC.
SANS 61968-100:2024 Ed 1	<i>Application integration at electric utilities – System interfaces for distribution management – Part 100: IEC implementation profiles for application integration.</i> Defines how messages may be exchanged between cooperating systems in order to facilitate the transfer of application-specific data.
SANS 62056-7-5:2024 Ed 1	<i>Electricity metering data exchange – The DLMS/COSEM suite – Part 7-5: Local data transmission profiles for Local Networks (LN).</i> Specifies DLMS/COSEM communication profiles for transmitting metering data modelled by COSEM interface objects through a Local Data Transmission Interface (LDTI).
SANS 80001-1:2024 Ed 1	<i>Application of risk management for IT-networks incorporating medical devices – Part 1: Safety, effectiveness and security in the implementation and use of connected medical devices or connected health software.</i> Specifies general requirements for ORGANIZATIONS in the application of RISK MANAGEMENT before, during and after the connection of a HEALTH IT SYSTEM within a HEALTH IT INFRASTRUCTURE, by addressing the KEY PROPERTIES of SAFETY, EFFECTIVENESS and SECURITY whilst engaging appropriate stakeholders.

Standard No. and year	Title, scope and purport
SANS 81001-5-1:2024 Ed 1	<i>Health software and health IT systems safety, effectiveness and security – Part 5-1: Security – Activities in the product life cycle.</i> Defines the LIFE CYCLE requirements for development and maintenance of HEALTH SOFTWARE needed to support conformance to IEC 62443-4-1[11] – taking the specific needs for HEALTH SOFTWARE into account.
SANS 80601-2-13:2024 Ed 1	<i>Medical electrical equipment – Part 2-13: Particular requirements for basic safety and essential performance of an anaesthetic workstation.</i> Applies to the basic safety and essential performance of an anaesthetic workstation for administering inhalational anaesthesia whilst continuously attended by a professional operator.
SATS 60079-32-1:2024 Ed 1	<i>Explosive atmospheres – Part 32-1: Electrostatics hazards, guidance.</i> Gives guidance about the equipment, product and process properties necessary to avoid ignition and electrostatic shock hazards arising from static electricity as well as the operational requirements needed to ensure safe use of the equipment, product process.
SATS 62056-8-20:2024 Ed 1	<i>Electricity metering data exchange – The DLMS/COSEM suite – Part 8-20: Mesh communication profile for neighbourhood networks.</i> Specifies a DLMS/COSEM communication profile that can be used in a smart metering system in which the Neighbourhood Networks (NN) are mesh networks.
SANS 62129-1:2024 Ed 1	<i>Calibration of wavelength/optical frequency measurement instruments – Part 1: Optical spectrum analyzers.</i> Specifies procedures for calibrating an optical spectrum analyzer that is developed for use in fibre-optic communications and designed to measure the power distribution of an optical spectrum.
SATS 1690:2024 Ed 1	<i>Guide for the implementation of responsible tourism.</i> Establishes clear definitions for the 41 criteria of SANS 1162 for ease of implementation of SANS 1162.
SANS 1973-1:2024 Ed 2	<i>Low-voltage switchgear and controlgear assemblies – Part 1: Power switchgear and controlgear assemblies with a rated short time withstand current exceeding 10 kA.</i> Sets out national variations and additional requirements to SANS 61439-1 and SANS 61439-2 that are required in South Africa.
SANS 61400-24:2024 Ed 2	<i>Wind energy generation systems – Part 24: Lightning protection.</i> Defines the lightning environment for wind turbines and risk assessment for wind turbines in that environment.
SANS 61400-25-5:2024 Ed 2	<i>Wind energy generation systems – Part 25-5: Communications for monitoring and control of wind power plants – Compliance testing.</i> Specifies standard techniques for testing of compliance of implementations, as well as specific measurement techniques to be applied when declaring performance parameters.
SANS 62586-2:2024 Ed 2	<i>Power quality measurement in power supply systems – Part 2: Functional tests and uncertainty requirements.</i> Specifies functional tests and uncertainty requirements for instruments whose functions include measuring, recording, and possibly monitoring power quality parameters in power supply systems, and whose measuring methods (class A or class S) are defined in IEC 61000-4-30 (published in South Africa as an identical adoption under the designation SANS 61000-4-30).
SANS 12944-3:2024 Ed 2	<i>Paints and varnishes – Corrosion protection of steel structures by protective paint systems – Part 3: Design considerations.</i> Deals with the basic criteria for the design of steel structures to be coated by protective paint systems in order to avoid premature corrosion and degradation of the coating or the structure.
SANS 14888-3:2024 Ed 4	<i>IT Security techniques – Digital signatures with appendix – Part 3: Discrete logarithm based mechanisms.</i> Specifies digital signature mechanisms with appendix whose security is based on the discrete logarithm problem.

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 164-2-1:2024 Ed 1.2	<i>Plug and socket-outlet systems for household and similar purposes for use in South Africa – Part 2-1: Two-pole and earth, 16 A 250 V a.c. partially dedicated system. Consolidated edition incorporating amendment No. 2.</i> Amended to modify the requirements for marking.
SANS 868-1-3:2024 Ed 1.2	<i>Compression-ignition engine systems and machines powered by such engine systems, for use in mines and plants with explosive gas atmospheres or explosive dust atmospheres or both – Part 1-3: Hazardous locations in underground mines – Machines. Consolidated edition incorporating amendment No. 2.</i> Amended to move reference to marking from the foreword to the clause on marking and to delete the relevant note on marking, to add a new note on marking information, to remove reference to the regulator from the foreword, to update referenced standards, to delete reference to legislation, the annex on guidelines on certification requirements for an explosion protected machine, and the annex on testing and certification procedure.
SANS 10089-2:2024 Ed 3.2	<i>The petroleum industry – Part 2: Electrical and other installations in the distribution and marketing sector. Consolidated edition incorporating amendment No. 2.</i> Amended to update the scope, referenced standards, and definitions, to modify the requirements for classification of hazardous locations, to delete the clause on certification requirements for explosion-protected apparatus, to update the clauses on selection of explosion-protected apparatus, cathodic protection, requirements for earthing and bonding, and on instrumentation systems, and to update the annex on fuel storage.
SANS 10201:2024 Ed 1.1	<i>Medium voltage earthing devices incorporating NECRTs, NECRs, and NERs. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 60400:2024 Ed 5.1	<i>Lampholders for tubular fluorescent lamps and starterholders. Consolidated edition incorporating amendment No. 1</i> Amended to update the scope, terms and definitions, requirements in the clauses on general conditions for tests, electrical rating, classification, marking, protection against electric shock, construction, resistance to dust and moisture, insulation resistance and electric strength, endurance, mechanical strength, creepage distances and clearances, resistance to heat, fire and tracking, resistance to excessive residual stresses and to rusting, and to update the annexes on examples of lampholders covered by this standard, and protection against electric shock.
SATS 61850-1-2:2024 Ed 1.1	<i>Communication networks and systems for power utility automation – Part 1-2: Guidelines on extending IEC 61850. Consolidated edition incorporating amendment No. 1.</i> Amended to update the terms and definitions, the sub-clauses on document introduction, data Model extension requirements, XML namespace extensions, deprecation management rules, and on get a model manager nominated.
SANS 664-2:2024 Ed 1.2	<i>Wedge gate and resilient seal valves for waterworks – Part 2: Wedge gate valves. Consolidated edition incorporating amendment No. 2.</i> Amended to delete the annex on notes to purchasers.
SANS 952-2:2024 Ed 1.2	<i>Polymer film for damp-proofing and waterproofing in buildings – Part 2: Laminated (non-woven) products. Consolidated edition incorporating amendment No. 2.</i> Amended to delete the annex on notes to purchasers.
SANS 10091:2024 Ed 2.5	<i>The safe working of power-driven woodworking machinery. Consolidated edition incorporating amendment No. 5.</i> Amended to insert the titles of the figures on the examples of suitable spindle moulder guards, and to move reference to legislation in the text to the foreword.
SANS 10106:2024 Ed 4.1	<i>The installation, maintenance, repair and replacement of domestic solar water heating systems. Consolidated edition incorporating amendment No. 1.</i> Amended to delete a tradename, update referenced standards, delete reference to "certificate of compliance", and the annex on notes to purchasers.
SANS 865:2024 Ed 2.5	<i>Ambulance stretchers. Consolidated edition incorporating amendment No. 5.</i> Amended to delete the annex on notes to purchasers.
SANS 10316:2024 Ed 1.3	<i>Aircraft ground support – Vehicle-mounted loading equipment. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards.

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 8662-1:1988 Ed 1	<i>Hand-held portable power tools – Measurement of vibrations at the handle – Part 1: General.</i>

SCHEDULE B4: ESTABLISHMENT OF TECHNICAL COMMITTEES

In terms of the South African Norm for the development of South African National Standards, the following technical committee has been established:

Committee No.	Title	Scope

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

SCHEDULE B5: RETRACTION OF PREVIOUSLY GAZETTED ITEMS

Notice is hereby given that the following standards gazetted for public enquiry have been retracted.

Standard No.	Title	Scope	Date gazetted

SCHEDULE B6: GENERAL

Notice is hereby given that the following standards/draft standard have been renumbered.

Standard/draft No.	Title	Scope	New number/designation

SCHEDULE B7: 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.