

## DEPARTMENT OF TRADE, INDUSTRY AND COMPETITION

## NOTICE 744 OF 2021

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 61968-1 Ed 2	<i>Application integration at electric utilities – System interfaces for distribution management – Part 1: Interface architecture and general recommendations.</i> Defines interfaces for the major elements of an interface architecture for power system management and associated information exchange. and identifies and establishes recommendations for standard interfaces based on an Interface Reference Model (IRM).	2022-02-15
SANS 61968-5 Ed 1	<i>Application integration at electric utilities – System interfaces for distribution management – Part 5: Distributed energy optimization.</i> The scope of this part of IEC 61968 is the description of a set of functions that are needed for enterprise integration of DERMS functions.	2022-02-15
SANS 62053-24 Ed 2	<i>Electricity metering equipment – Particular requirements – Part 24: Static meters for fundamental component reactive energy (classes 0,5S, 1S, 1, 2 and 3).</i> Applies only to static var-hour meters of accuracy classes 0,5 S, 1 S, 1,2 and 3 for the measurement of alternating current electrical reactive energy in 50 Hz or 60 Hz networks and it applies to their type tests only.	2022-02-15
SANS 7887 Ed 2	<i>Water quality – Examination and determination of colour.</i> Specifies four different methods, designated A to A to D, for the examination of colour.	2022-02-15
SANS 13577-1 Ed 1	<i>Industrial furnaces and associated processing equipment – Safety – Part 1: General requirements.</i> Specifies the general safety requirements common to industrial furnaces and associated processing equipment (TPE).	2022-02-15
SANS 13577-4 Ed 1	<i>Industrial furnaces and associated processing equipment – Safety – Part 4: Protective systems.</i> Specifies the requirements for protective systems used in industrial furnaces and associated processing equipment (TPE).	2022-02-10
SANS 20079 Ed 1	<i>Uniform provisions concerning the approval of vehicles with regard to steering equipment.</i> Applies to the steering equipment of vehicles of categories M, N and O.1 1.2..	2022-02-10
SANS 10400-A Ed 4	<i>The application of the National Building Regulations – Part A: General principles and requirements.</i> Establishes general requirements for satisfying the National Building Regulations issued in terms of the National Building Regulations and Building Standards Act, 1977 (Act No. 103 of 1977) and the requirements that are deemed to satisfy the relevant parts of such Regulations.	2022-02-18
SANS 10015 Ed 2	<i>Quality management – Guidelines for competence management and people development.</i> Gives guidelines for an organization to establish, implement, maintain and improve systems for competence management and people development to positively affect outcomes related to the conformity of products and services and the needs and expectations of relevant interested parties.	2022-02-16
SANS 62386-218 Ed 1	<i>Digital addressable lighting interface – Part 218: Particular requirements for control gear – Dimming curve selection (device type 17).</i> Specifies a bus system for control by digital signals of electronic lighting equipment which is in line with the requirements of IEC 61347 (all parts), with the addition of DC supplies. This document is only applicable to IEC 62386-102:2014 and IEC 62386-102:2014/AMD1: control gear that implements dimming curve selection.	2022-02-16

SANS 60320-1 Ed 5	<i>Appliance couplers for household and similar general purposes – Part 1: General requirements.</i> Sets the general requirements for appliance couplers for two poles and two poles with earth contact and for the connection of electrical devices for household and similar onto the mains supply.	2022-02-16
SANS 62271-101 Ed 3	<i>High-voltage switchgear and controlgear – Part 101: Synthetic testing.</i> Applies to a.c. circuit-breakers within the scope of IEC 62271-100 (published in South Africa as an identical adoption under the designation SANS 62271-100).	2022-02-16
SANS 13850 Ed 2	<i>Safety of machinery – Emergency stop function – Principles for design.</i> Specifies functional requirements and design principles for the emergency stop function on machinery, independent of the type of energy used.	2022-02-16
SANS 16283-2 Ed 1	<i>Acoustics – Field measurement of sound insulation in buildings and of building elements – Part 2: Impact sound insulation.</i> Specifies procedures to determine the impact sound insulation using sound pressure measurements with an impact source operating on a floor or stairs in a building.	2022-02-16
SANS 17247 Ed 3	<i>Coal and coke - Ultimate analysis.</i> Establishes a practice for the ultimate analysis of coal and coke and is intended for general utilization by the coal and coke industries to provide a basis for comparison of coals and cokes.	2022-02-14

### 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 3001-GR2 Ed 1.2	<i>Civil engineering test methods – Part GR2: Dry preparation and dry particle size analysis of gravels and sands</i>	Amended to update the introduction, to update referenced standards, to add definition for agglomerations, to update requirements for apparatus, to replace "aggregations" with "agglomerations".	2022-01-18

### 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

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 164-8:2021 Ed 1	<i>Plug and socket-outlet systems for household and similar purposes for use in South Africa – Part 8: Two pole and earth, 32A 250V a.c. system.</i> Covers the rating and dimensions of the 32 A 250 V a.c. plug and socket-outlet system, for use as an appliance connector, intended for the installation of stoves or similar fixed appliances, for household and similar purposes, in South Africa.
SANS 61083-1:2021 Ed 1	<i>Instruments and software used for measurement in high-voltage impulse tests – Part 1: Requirements for instruments for impulse tests.</i> Applies to digital recorders, including digital oscilloscopes, used for measurements during tests with high impulse voltages and high impulse currents.
SANS 61083-2:2021 Ed 2	<i>Instruments and software used for measurement in high-voltage and high current tests – Part 2: Requirements for software for tests with impulse voltages and currents.</i> Applies to software used for evaluation of impulse parameters from recorded impulse voltages and currents.
SANS 61083-3:2021 Ed 3	<i>Instruments and software used for measurement in high-voltage and high-current tests – Part 3: Requirements for hardware for tests with alternating and direct voltages and currents.</i> Applies to digital recording instruments used for measurements during tests with high alternating and direct voltages and currents.
SANS 617439-7:2021 Ed 1	<i>Low-voltage switchgear and controlgear assemblies – Part 7: Assemblies for specific applications such as marinas, camping sites, market squares, electric vehicle charging stations.</i> Defines the specific requirements of ASSEMBLIES for which the rated voltage does not exceed 1 000 V in case of a.c. or 1 500 V in case of d.c; stationary or movable ASSEMBLIES with enclosure; ASSEMBLIES intended for use in connection with the generation, transmission, distribution and conversion of electric energy, and for the control of electric energy consuming equipment; ASSEMBLIES operated by ordinary persons; ASSEMBLIES intended to be installed and used in marinas, camping sites, market squares, electric vehicle charging stations and other similar external public sites or similar sites.
SATS 62257-12-1:2021 Ed 1	<i>Recommendations for renewable energy and hybrid systems for rural electrification – Part 12-1: Laboratory evaluation of lamps and lighting appliances for off-grid electricity systems.</i> Establishes the framework for creating a product specification for lamps and lighting appliances to serve as the basis for evaluating quality for a particular context.
SANS 1634:2021 Ed 1	<i>Barrier protection systems for preservative treated wooden poles.</i> Covers the minimum performance requirements for barrier protection systems used to augment the performance and service lives of preservative treated wooden poles, posts and piling intended for ground contact service conditions by either partially or wholly covering the butt end portion below the intended ground line.
SANS 15099:2021 Ed 1	<i>Thermal performance of windows, doors and shading devices – Detailed calculations.</i> Specifies detailed calculation procedures for determining the thermal and optical transmission properties (e.g., thermal transmittance, total solar energy transmittance) of window and door systems based on the most up-to-date algorithms and methods, and the relevant solar and thermal properties of all components.
SANS 54382:2021 Ed 1	<i>Gas safety shut-off devices for inlet pressure up to 10 MPa (100 bar).</i> Specifies constructional, functional, testing marking and sizing requirements and documentation of gas safety shut-off devices: for inlet pressures up to 100 bar and nominal diameters up to DN 400; for an operating temperature range from -20 °C to +60 °C; which operate with fuel gases of the 1st and 2nd family as defined in EN 437, used in the pressure regulating stations in accordance with EN 12186 or EN 12279, in transmission and distribution networks and also in commercial and industrial installations.

Standard No. and year	Title, scope and purport
SANS 12207-2:2021 Ed 1	<i>Systems and software engineering – Software life cycle processes – Part 2: Relation and mapping between ISO/IEC/IEEE 12207:2017 and ISO/IEC 12207:2008.</i> Provides the mapping expressing corresponding relations between software life cycle processes in ISO/IEC/IEEE 12207:2017 (published in South Africa as an identical adoption under the designation SANS 12207:2021) and the processes in ISO/IEC 12207:2008.
SANS 10083:2021 Ed 6	<i>The measurement and assessment of occupational noise for hearing conservation purposes.</i> Covers the measurement and rating of a working environment for hearing conservation purposes, the physical demarcation of an area where hearing conservation measures have to be applied, and medical surveillance.
SANS 61243-1:2021 Ed 3	<i>Live working – Voltage detectors – Part 1: Capacitive type to be used for voltages exceeding 1 kV a.c.</i> Applies to portable voltage detectors, with or without built-in power sources, to be used on electrical systems for voltages of 1 kV to 800 kV AC, and frequencies of 50 Hz and/or 60 Hz.
SANS 1019:2021 Ed 3	<i>Standard voltages, currents and insulation levels for electricity supply.</i> Covers standard voltages and currents for use in a.c. transmission, distribution and reticulation systems (and in equipment for use in such systems) having a nominal frequency of 50 Hz and a nominal voltage exceeding 100 V, based on the standard values given in IEC 60038 and IEC 60059.
SANS 11120:2021 Ed 2	<i>Gas cylinders – Refillable seamless steel tubes of water capacity between 150 l and 3 000 l – Design, construction and testing.</i> Specifies minimum requirements for the material, design, construction and workmanship, manufacturing processes, examinations and tests at manufacture of refillable quenched and tempered seamless steel tubes of water capacities exceeding 150 l up to and including 3 000 l for compressed and liquefied gases exposed to extreme world-wide ambient temperatures, normally between -50 °C and +65 °C.
SATS 63107:2021 Ed 1	<i>Integration of internal arc-fault mitigation systems in power switchgear and controlgear assemblies (PSC-Assemblies) according to IEC 61439-2.</i> States requirements for integration and testing of IAMS in low-voltage switchgear and controlgear assemblies - power switchgear and controlgear assemblies according to IEC 61439-1 (published in South Africa as an identical adoption under the designation SANS 61439-1) and IEC 61439-2 (PSC-assemblies) (published in South Africa as an identical adoption under the designation SANS 61439 -2) to demonstrate their correct operation.

## 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 164-1:2021 Ed 5.6	<i>Plug and socket-outlet systems for household and similar purposes for use in South Africa – Part 1: Two-pole and earth, 16 A 250 V a.c. system. Consolidated edition incorporating amendment No.6.</i> Amended to update the note on explanation of reference numbers on standard sheet 1-1.
SANS 1644:2021 Ed 1.3	<i>Lenses for sunglasses and fashion spectacles – Safety requirements. Consolidated edition incorporating amendment No.3.</i> Amended to remove reference to a trademark.
SANS 60335-2-85:2021 Ed 2.2	<i>Household and similar electrical appliances – Safety – Part 2-85: Particular requirements for fabric steamers. Consolidated edition incorporating amendment No.2.</i> Amended to update the introduction, the scope, and the clause on supply connection and external flexible cords.
SANS 1118-1:2021 Ed 3.3	<i>School clothing – Part 1: General requirements for school clothing. Consolidated edition incorporating amendment No.3.</i> Amended to update referenced standards, to delete the annex on notes to purchasers, and the reference to certification mark.
SANS 1887-1:2021 Ed 1.3	<i>Tissue paper – Part 1: General requirements. Consolidated edition incorporating amendment No.3.</i> Amended to update referenced standards.

SANS 1887-2:2021 Ed 1.4	<i>Tissue paper – Part 2: Toilet paper. Consolidated edition incorporating amendment No.4.</i> Amended to update referenced standards, to delete the annex on notes to purchasers, and to update annex on sampling and compliance with this part of SANS 1887.
SANS 1887-3:2021 Ed 1.2	<i>Tissue paper – Part 3: Facial tissues. Consolidated edition incorporating amendment No.2.</i> Amended update referenced standards, to delete the annex on notes to purchasers, and to update the annex on sampling and compliance with this part of SANS 1887.
SANS 1887-4:2021 Ed 1.2	<i>Tissue paper – Part 4: Paper towels. Consolidated edition incorporating amendment No.2.</i> Amended to update referenced standards, to delete the annex on notes to purchasers, and to update the annex on sampling and compliance with this part of SANS 1887.
SANS 1887-5:2021 Ed 1.2	<i>Tissue paper – Part 5: Disposable wiping paper (in rolls). Consolidated edition incorporating amendment No.2.</i> Amended to update referenced standards, to delete the annex on notes to purchasers, and to update the annex on sampling and compliance with this part of SANS 1887.
SANS 1887-6:2021 Ed 1.2	<i>Tissue paper – Part 6: Paper dressing (medical) towels. Consolidated edition incorporating amendment No.2.</i> Amended to update referenced standards, to delete the annex on notes of purchasers, and to update the annex on sampling and compliance with this part of SANS 1887.
SANS 1887-7:2021 Ed 1.3	<i>Tissue paper – Part 7: Paper serviettes. Consolidated edition incorporating amendment No.3.</i> Amended to update referenced standards, to delete the annex on notes to purchasers, and to update the annex on sampling and compliance with this part of SANS 1887.
SANS 1887-8:2021 Ed 1.2	<i>Tissue paper – Part 8: Paper-towel rolls for centre-feed dispensing devices. Consolidated edition incorporating amendment No.2.</i> Amended to update referenced standards, to delete the annex on notes to purchasers, and to update the annex on sampling and compliance with this part of SANS 1887.
SANS 1382-2:2021 Ed 1.4	<i>Hose – Part 2: Commercial and sports hose. Consolidated edition incorporating amendment No.4.</i> Amended to update referenced standards and the sub-clause on apparatus, and to delete the annex on notes to purchasers.

### 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

### 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.