

## DEPARTMENT OF TRADE, INDUSTRY AND COMPETITION

## NOTICE 849 OF 2022

STANDARDS ACT, 2008  
STANDARDS MATTERS

In terms of the Standards Act, 2008 (Act No. 8 of 2008), the Board of the South African Bureau of Standards has acted in regard to standards in the manner set out in the Schedules to this notice.

## SECTION A: DRAFTS FOR COMMENTS

The following draft standards are hereby issued for public comments in compliance with the norm for the development of the South Africa National standards in terms of section 23(2)(a) (ii) of the Standards Act.

Draft Standard No. and Edition	Title, scope and purport	Closing Date
SANS 60034-27-1 Ed 1	<i>Rotating electrical machines – Part 27-1: Off-line partial discharge measurements on the winding insulation.</i> Provides a common basis for, measuring techniques and instruments, the arrangement of test circuits, normalization and testing procedures, noise reduction, the documentation of test results, and the interpretation of test results with respect to partial discharge off-line measurements on the winding insulation of rotating electrical machines.	2022-02-22
SANS 60335-2-97 Ed 3	<i>Household and similar electrical appliances – Safety – Part 2-97: Particular requirements for drives for rolling shutters, awnings, blinds and similar equipment.</i> Deals with the safety of electric drives for shutters, blinds and awnings, intended for household and similar purposes, their rated voltage being not more than 250 V for single-phase drives and 480 V for other drives.	2022-02-22
SANS 62135-2 Ed 2	<i>Resistance welding equipment – Part 2: Electromagnetic compatibility (EMC) requirements.</i> Applies to equipment for resistance welding and allied processes which are connected to mains supplies with rated voltages up to 1 000 V AC RMS. This document does not define safety requirements.	2022-02-22
SANS 61914 Ed 3	<i>Cable cleats for electrical installations.</i> Specifies requirements and tests for cable cleats and intermediate restraints used for securing cable in electrical installations.	2022-02-22
SANS 60884-3-1 Ed 1	<i>Plugs and socket-outlets for household and similar purposes – Part 3-1: Particular requirements for socket-outlets incorporating USB power supply.</i> Applies to fixed or portable socket-outlets for AC only, with or without earthing contact, with a rated voltage greater than 50 V but not exceeding 440 V and a rated current not exceeding 32 A, intended for household and similar purposes, either indoors or outdoors, incorporating USB power supply.	2022-02-22
SANS 12999-1 Ed 1	<i>Acoustics – Determination and application of measurement uncertainties in building acoustics – Part 1: Sound insulation.</i> Specifies procedures for assessing the measurement uncertainty of sound insulation in building acoustics.	2022-02-22
SANS 80601-2-56 Ed 2.1	<i>Medical electrical equipment – Part 2-56: Particular requirements for basic safety and essential performance of clinical thermometers for body temperature measurement.</i> Applies to the basic safety and essential performance of a clinical thermometer in combination with its accessories, hereafter referred to as me equipment. It specifies the general and technical requirements for electrical clinical thermometers.	2022-02-22
SANS 16326 Ed 3	<i>Systems and software engineering – Life cycle processes – Project management.</i> Intended to aid project managers in managing to successful conclusion those projects concerned with systems, including software systems.	2022-02-22
SANS 16283-1 Ed 1	<i>Acoustics – Field measurement of sound insulation in buildings and of building elements – Part 1: Airborne sound insulation.</i> Specifies procedures to determine the airborne sound insulation between two rooms in a building using sound pressure measurements.	2022-02-22

SANS 20139 Ed 1	<i>Uniform provisions concerning the approval of passenger cars with regard to Brake Assist Systems (BAS).</i> Applies to the approval of vehicles of category M1 and N1 with regard to their brake assist system. Does not cover: vehicles with a design speed not exceeding 25 km/h vehicles fitted for invalid drivers.	2022-03-15
SANS 23873 Ed 1	<i>Hard coal – Caking and coking properties – Dilatation.</i> Describes a method for the measurement of the swelling of hard coal using a dilatometer.	2022-03-17
SANS 80601-2-60 Ed 2	<i>Medical electrical equipment – Part 2-60: Particular requirements for the basic safety and essential performance of dental equipment.</i> Applies to the basic safety and essential performance of dental units, dental patient chairs, dental handpieces and dental operating lights, thereafter referred to as dental equipment.	
SATS 62257-9-1 Ed 1	<i>Recommendations for renewable energy and hybrid systems for rural electrification – Part 9-1: Micropower systems.</i> Applies to a micropower plant which is the electric energy generation subsystem associated with a decentralized rural electrification system, and provides general requirements for the design, erection and operation of micropower plants and general requirements to ensure the safety of persons and property.	2022-03-18

### 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 60601-2-43 Ed 1.2	<i>Medical electrical equipment – Part 2-43: Particular requirements for the basic safety and essential performance of X-ray equipment for interventional procedures</i>	Amended to update the, introduction, scope, object and related standards, referenced standards, terms and definitions, general requirements, general requirements for testing of ME equipment, ME equipment identification, marking and documents, protection against electrical hazards from ME equipment, protection against mechanical hazards of ME equipment and ME systems, protection against unwanted and excessive radiation hazards, protection against excessive temperatures and other hazards, accuracy of controls and instruments and protection against hazardous outputs, ME systems, radiation protection in diagnostic x-ray equipment, the annex on particular guidance and rationale, the bibliography and the index of defined terms used in this particular standard.	2022-02-22

### 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 withdrawn 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.

<b>Draft Standard No. and Edition</b>	<b>Title</b>	<b>Reason for withdrawal</b>	<b>Closing Date</b>

**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.

<b>Standard No. and year</b>	<b>Title, scope and purport</b>
SANS 61083-3:2021 Ed 1	<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.
SATS 62257-4:2022 Ed 1	<i>Recommendations for renewable energy and hybrid systems for rural electrification – Part 4: System selection and design.</i> Provides a method for describing the results to be achieved by the electrification system independently of the technical solutions that could be implemented.
SANS 8528-7:2022 Ed 2	<i>Reciprocating internal combustion engine driven alternating current generating sets – Part 7: Technical declarations for specification and design.</i> Specifies the requirements and parameters for the specification and design of a reciprocating internal combustion (RIC) engine driven generating set, with reference to the definitions given in ISO 8528-1 to ISO 8528-6.
SANS 62271-200:2022 Ed 3	<i>High-voltage switchgear and controlgear – Part 200: AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV.</i> Applies to prefabricated metal-enclosed switchgear and controlgear assemblies designed for: alternating current; rated voltages above 1 kV and up to and including 52 kV; service frequencies up to and including 60 Hz; indoor and outdoor installation.
SANS 1928:2022 Ed 3	<i>Coal and coke – Determination of gross calorific value.</i> Specifies a method for the determination of the gross calorific value of a solid mineral fuel at constant volume and at the reference temperature of 25 °C in a combustion vessel calorimeter calibrated by combustion of certified benzoic acid.
SANS 50200:2022 Ed 2	<i>Method of test for resistance to fire of unprotected small cables for use in emergency circuits.</i> Specifies the test method for cables designed to have intrinsic resistance to fire and intended for use as emergency circuits for alarm, lighting and communication purposes.

**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 60601-2-54:2021 Ed 1.1	<i>Medical electrical equipment – Part 2-54: Particular requirements for the basic safety and essential performance of X-ray equipment for radiography and radioscopy. Consolidated edition incorporating amendment No.1.</i> Amended to update the scope, object and related standards, referenced standards, and terms and definitions, to update the subclauses on accompanying documents, mechanical hazards associated with support systems, protection against unwanted and excessive radiation HAZARDS, protection against excessive temperatures and other HAZARDS, accuracy of controls and instruments and protection against hazardous outputs, ME SYSTEMS, ME EQUIPMENT identification, marking and documents, RADIATION management, RADIATION QUALITY, limitation of the extent of the X-RAY BEAM and relationship between X-RAY FIELD AND IMAGE RECEPTION AREA, FOCAL SPOT TO SKIN DISTANCE, and on test for STRAY RADIATION, and to update the annexes on guide to marking and labelling requirements for ME EQUIPMENT and ME SYSTEMS and on particular guidance and rationale.
SANS 3001-CO3-2:2022 Ed 1.1	<i>Civil engineering test methods – Part CO3-2: Concrete durability index testing – Oxygen permeability test. Consolidated edition incorporating amendment No.1.</i> Amended to update the clause on procedure, the clause on calculations, and the annex on oxygen permeability index calculation.
SANS 343:2021 Ed 4.4	<i>Steel bedside lockers. Consolidated edition incorporating amendment No.4.</i> Covers requirements for two types of steel bedside lockers for use in hospitals and other medical and health institutions.
SANS 621:2021 Ed 3.3	<i>Castors for hospital equipment. Consolidated edition incorporating amendment No.3.</i> Amended to update referenced standards and to delete the appendix 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
SANS 8528-5:2008 Ed 2	<i>Reciprocating internal combustion engine driven alternating current generating sets – Part 5: Generating sets</i>
SANS 5665:2005 Ed 2	<i>Resistance to creep of adhesive bonds</i>
SANS 5413:2006 Ed 3	<i>Water absorption of plastics filler foam for life jackets</i>
SANS 5417:2005 Ed 3	<i>Density of foamed plastic fillers for life jackets</i>
SANS 5259:2005 Ed 5	<i>Test for buoyancy of life-jackets</i>
SANS 5258: 2004 Ed 3	<i>Buoyancy of fibre fillers for life jackets</i>

## **SCHEDULE B4 ESTABLISHMENT OF TECHNICAL COMMITTEES**

<b>Committee No.</b>	<b>Title</b>	<b>Scope</b>

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.

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