

## DEPARTMENT OF TRADE, INDUSTRY AND COMPETITION

## NOTICE 1478 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 7816-8 Ed 3	<i>Identification cards – Integrated circuit cards – Part 8: Commands and mechanisms for security operations.</i> Specifies interindustry commands which can be used for security operations and provides informative directives on how to construct security mechanisms with commands defined in ISO/IEC 7816-4.	2023-01-25
SANS 7816-15 Ed 2	<i>Identification cards – Integrated circuit cards – Part 15: Cryptographic information application.</i> Specifies an application in a card and this application contains information on cryptographic functionality and defines a common syntax for the cryptographic information and mechanisms to share this information whenever appropriate.	2023-01-25
SANS 7816-11 Ed 2	<i>Identification cards – Integrated circuit cards – Part 11: Personal verification through biometric methods.</i> Specifies security-related interindustry commands that are intended to be used for personal verification through biometric methods in integrated circuit cards.	2023-01-25
SANS 535-2 Ed 1	<i>Telematics Monitoring and Tracking – Part 2: Requirements for operations centres and recovery services.</i> Establishes requirements for operations centres and for recovery crews that are used by providers of an asset tracking and recovery service.	2023-01-25
SANS 3001-GR62 Ed 1	<i>Civil engineering test methods – Part-GR62: Qualitative tests for carbonate, chloride and sulfate salts in soils, gravels, graded crushed rock and water.</i> Describes methods of qualitatively determining the presence of highly water-soluble bicarbonate, carbonate, chloride and sulfate salts and acid-soluble carbonates and sulfates in soil, gravel, graded crushed rock and water.	2023-01-27

## 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 60704-2-14 Ed 2.1	<i>Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-14: Particular requirements for refrigerators, frozen-food storage cabinets and food freezers.</i>	Amended to update the clauses on scope and object, referenced standards, terms and definitions, operation and location of appliances under test, and on measurement of sound pressure levels.	2023-01-25
SANS 1418-2 Ed 1.8	<i>Aerial bundled conductor systems – Part 2: Assembled insulated conductor bundles.</i>	Amended to delete appendix on notes to purchasers.	2023-01-27

**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 61158-3-16:2022 Ed 1	<i>Industrial communication networks – Fieldbus specifications – Part 3-16: Data-link layer service definition – Type 16 elements.</i> Provides common elements for basic time-critical messaging communications between devices in an automation environment.
SANS 61557-1:2022 Ed 1	<i>Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 1: General requirements.</i> Specifies the general requirements applicable to measuring and monitoring equipment for testing the electrical safety in low-voltage distribution systems with nominal voltages up to 1 000 V AC and 1 500 V DC.
SANS 61557-3:2022 Ed 1	<i>Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 3: Loop impedance.</i> Specifies the requirements applicable to equipment for measuring the loop impedance between a line conductor and protective conductor; between a line conductor and neutral; or between two line conductors by using the voltage drop when the circuit under test is loaded.
SANS 61557-4:2022 Ed 1	<i>Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 4: Resistance of earth connection and equipotential bonding.</i> Specifies the requirements applicable to equipment for measuring the resistance of earth conductors, protective earth conductors and conductors for equipotential bonding, including their connections and terminals, with an indication of the measured value or an indication of the limits.
SANS 61557-5:2022 Ed 1	<i>Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 5: Resistance to earth.</i> Specifies the requirements applicable to measuring equipment for measuring the resistance to earth using an AC voltage.
SANS 61557-7:2022 Ed 1	<i>Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 7: Phase sequence.</i> Specifies the requirements applicable to measuring equipment for testing the phase sequence in three-phase distribution systems.

Standard No. and year	Title, scope and purport
SANS 61557-10:2022 Ed 1	<i>Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 10: Combined measuring equipment for testing, measuring or monitoring of protective measures.</i> Specifies the requirements for combined measuring equipment which combines into one piece of apparatus, several measuring functions or methods of testing, measuring or monitoring according to the respective parts of IEC 61557.
SANS 62053-22:2022 Ed 2	<i>Electricity metering equipment – Particular requirements – Part 22: Static meters for AC active energy (classes 0,1S, 0,2S and 0,5S).</i> Applies only to transformer operated static watt-hour meters of accuracy classes 0,1 S, 0,2 S and 0,5 S for the measurement of alternating current electrical active energy in 50 Hz or 60 Hz networks and it applies to their type tests only.
SANS 60584-3:2022 Ed 1	<i>Thermocouples – Part 3: Extension and compensating cables – Tolerances and identification system.</i> Connected to the instrument by a proper pair of electric cables.
SANS 80079-20-1:2022 Ed 1	<i>Explosive atmospheres – Part 20-1: Material characteristics for gas and vapour classification – Test methods and data.</i> Provides guidance on classification of gases and vapours.
SANS 22483:2022 Ed 1	<i>Tourism and related services – Hotels – Service requirements.</i> Establishes quality requirements and recommendations for hotels regarding staff, service, events, entertainment activities, safety, security, maintenance, cleanliness, supply management and guest satisfaction.
SATS 62257-7-1:2022 Ed 1	<i>Recommendations for small renewable energy and hybrid systems for rural electrification – Part 7-1: Generators – Photovoltaic generators.</i> Specifies the general requirements for the design and safety of generators used in decentralized rural electrification systems.

## 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 474:2022 Ed 2.1	<i>Electricity metering – Standards requirements. Consolidated edition incorporating amendment No. 1.</i> Amended to update the annex on meter numbering format.
SANS 1515-2:2022 Ed 2.1	<i>Gas measuring equipment primarily for use in mines – Part 2: Fixed, transportable, and vehicle-mounted flammable gas measuring and warning sensor heads, instruments and devices. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards, the definitions, the clause on requirements, the clause on requirements additional to those in SANS 60079-29-1, to remove references to certification, to update the requirements for marking, and the annex on assessment of compliance with this part of SANS 1515.

## 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**

<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 B5: RETRACTION OF PREVIOUSLY GAZETTED ITEMS**

SANS 129446 Paints and varnishes – Corrosion protection of steel structures by protective paint systems – Part 6: Laboratory performance test methods was erroneously notified on the Government on 2022-10-14 and is hereby withdrawn.

#### **SCHEDULE B6: 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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