

DEPARTMENT OF TRADE, INDUSTRY AND COMPETITION

GENERAL NOTICE 1948 OF 2023

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 19161-1 Ed 1	Geographic information - Geodetic references - Part 1: International terrestrial reference system (ITRS).	2023-09-04
SANS 20345 Ed 3	<i>Personal protective equipment - Safety footwear.</i> This document specifies basic and additional (optional) requirements for safety footwear used for general purpose. It includes, for example, mechanical risks, slip resistance, thermal risks, ergonomic behaviour. It also specifies requirements for safety footwear equipped with customized insoles, customized safety footwear or individual manufactured customized safety footwear.	2023-09-04
SANS 2084 Ed 1	<i>Menstrual cups - Design, performance, packing and marking requirements.</i> Covers the materials, design, performance, packaging and marking requirements for menstrual cups.	2023-09-04
SANS 2084 Ed 1	<i>Menstrual cups - Design, performance, packing and marking requirements.</i> Covers the materials, design, performance, packaging and marking requirements for menstrual cups.	2023-08-15
SANS 61215-1-3 Ed 1	<i>Terrestrial photovoltaic (PV) modules - Design qualification and type approval -Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules.</i> This document lays down requirements for the design qualification of terrestrial photovoltaic modules suitable for long-term operation in open-air climates. The useful service life of modules so qualified will depend on their design, their environment and the conditions under which they are operated. Test results are not construed as a quantitative prediction of module lifetime.	2023-08-15
SANS 10400-O Ed 4	<i>The application of the National Building Regulations Part O: Lighting and ventilation.</i> Provides deemed-to-satisfy requirements for compliance with part O (Lighting and ventilation) of the National Building Regulations.	2023-09-05
SANS 704 Ed 3	<i>Terminology work - Principles and methods.</i> Establishes the basic principles and methods for preparing and compiling terminologies both inside and outside the framework of standardization.	2023-08-29
SANS 60095-1 Ed 4	<i>Lead-acid starter batteries Part 1: General requirements and methods of test.</i> Applies to lead-acid batteries with a nominal voltage of 12 V, used primarily as a power source for the starting of internal combustion engines, lighting, and for auxiliary equipment of internal combustion engine vehicles. These batteries are commonly called "starter batteries". This document is applicable to batteries for the following purposes: batteries for passenger cars; batteries for commercial and industrial vehicles. This document is not applicable to batteries for other purposes, such as the starting of railcar internal combustion engines or for motorcycles and other power sport vehicles.	2023-08-20
SANS 673 Ed 4	<i>Mixtures of copper-chromium-arsenic compounds for timber preservation.</i> Covers mixtures of copper-chromium-arsenic compounds (in the form of a powder, a granular powder, a paste, or a liquid) for timber preservation.	2023-08-15

SANS 1808-53 Ed 2	<i>Water supply and distribution system components - Part 53: Drain cocks for hot-water storage containers.</i> Specifies dimensional and performance requirements for copper alloy drain cocks that are suitable for the draining of hot-water storage containers that comply with SANS 151.	2023-08-06
SANS 500 Ed 2	<i>Inspection, examination and testing of manually operated chain blocks and chain lever hoists currently in use.</i> Specifies the requirements for the inspection, examination and testing of manually operated chain blocks and chain lever hoists in use.	2023-08-06
SANS 60534-4 Ed 1	<i>Industrial-process control valves -Part 4: Inspection and routine testing.</i> Specifies the requirements for the inspection and routine testing of control valves manufactured in conformity with the other parts of IEC 60534.	2023-08-08
SATR 61511-0 Ed 1	<i>Functional safety - Safety instrumented systems for the process industry sector - Part 0: Functional safety for the process industry and IEC 61511.</i> Provides an overview of the other three parts of IEC 61511.	2023-08-08
SANS 60534-7 Ed 1	<i>Industrial-process control valves - Part 7: Control valve data sheet.</i> Provides a list of requirements that are normally necessary for the procurement of the majority of control valves for process systems.	2023-08-08
ARP 0111 Ed 1	<i>Net zero guidelines.</i> Provides guiding principles and recommendations to enable a common, global approach to achieving net zero greenhouse gas emissions through alignment of voluntary initiatives and adoption of standards, policies and national and international regulation.	2023-07-31
SANS 60331-3 Ed 2	<i>Tests for electric cables under fire conditions - Circuit integrity Part 3: Test method for fire with shock at a temperature of at least 830 °C for cables of rated voltage up to and including 0,6/1,0 kV tested in a metal enclosure.</i> Specifies the test apparatus and procedure and gives the performance requirements, including recommended flame application times, for low-voltage power cables of rated voltage up to and including 0,6/1,0 kV, and control cables with a rated voltage which are required to maintain circuit integrity when tested in a metal enclosure and when subject to fire and mechanical shock under specified conditions.	2023-09-05
SANS 62832-2 Ed 1	<i>Industrial-process measurement, control and automation - Digital factory framework - Part 2: Model elements.</i> Specifies detailed requirements for model elements of the Digital Factory framework.	2023-09-05
SANS 62832-3 Ed 1	<i>Industrial-process measurement, control and automation - Digital Factory framework - Part 3: Application of Digital Factory for life cycle management of production systems.</i> Specifies rules of the Digital Factory framework for managing information of a production system throughout its life cycle.	2023-09-05
SANS 10118 Ed 4	<i>The aerial application of pesticides.</i> Covers the aerial application of pesticides and the requirements for the training of agricultural pilots, aircraft to be used for the application, landing places, protection of pilots and ground personnel, health precautions for pilots and ground personnel, the registration holder of the pesticide, the chemical distributor, the sponsor, and aerial application companies, and first-aid treatment in cases of suspected poisoning.	2023-07-22
SANS 60884-1 Ed 3	<i>Plugs and socket-outlets for household and similar purposes Part 1: General requirements.</i> Applies to plugs and fixed or portable socket-outlets for a.c. 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.	2023-07-22

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 347 Ed 3.1	<i>Categorization and conformity assessment criteria for all pressure equipment.</i>		2023-09-04
SANS 709 Ed 1.2	<i>Aluminium cans for milk and cream.</i>	Amended to remove notes to purchasers.	2023-09-04
SANS 1124-3 Ed 1.2	<i>Syringes and needles (sterile-packed for single use) Part 3: Syringes with a re-use prevention feature.</i>	Amended to update a reference document	2023-09-04
SANS 10089-2 Ed 3.2	<i>The petroleum industry Part 2: Electrical and other installations in the distribution and marketing sector.</i>	Amended to update the scope, referenced standards, definitions, to modify the requirements for classification of hazardous locations, to delete clause on certification requirements for explosion-protected apparatus, update the clause on selection of explosion-protected apparatus, static electricity, and bonding, and change the annex on fuel storage depots to informative.	2023-08-15
SANS 1352 Ed 1.1	<i>The installation, maintenance, replacement and repair of domestic air source water heating heat pump systems.</i>	Amended to delete a tradename, and the reference to the certificate of compliance.	2023-08-29
SANS 10086-1 Ed 4.2	<i>The installation, inspection and maintenance of equipment used in explosive atmospheres Part 1: Installations including surface installations on mines.</i>	Amended to update the foreword and referenced standards.	2023-08-15
SANS 60079-7 Ed 4.1	<i>Explosive atmospheres Part 7: Equipment protection by increased safety "e"</i>	Amended to update the requirements on connection facilities for external conductors.	2023-08-15
SANS 1423-1 Ed 3.1	<i>Performance requirements for textile fabrics of low flammability Part 1: Apparel fabrics.</i>	Amended to update normative references and delete the annex on notes to purchasers.	2023-08-06
SANS 304 Ed 3.2	<i>Linen threads for footwear.</i>	Amended to update requirements for Twist variation and to delete the annex on notes to purchasers	2023-08-06
SANS 555-1 Ed 1.1	<i>Fluids for electrotechnical applications Part 1: Unused inhibited mineral insulating oils for transformers and switchgear.</i>	Amended to update referenced standards, oxidation stability and to update requirements for gassing tendency in table 1.	2023-08-06
SANS 555-3 Ed 1.1	<i>Fluids for electrotechnical applications Part 3: Recycled inhibited mineral insulating oils for transformers and switchgear.</i>	Amended to update referenced standards, oxidation stability and to update requirement for gassing tendency in table 1.	2023-08-06
SANS 5449 Ed 3.1	<i>Dimensional changes of made-up textile articles.</i>	Amended to delete notes to users.	2023-08-06
SANS 1732 Ed 1.1	<i>Greywater Reuse Systems - General Requirements.</i>	Amended to delete a tradename, and the reference to the certificate of compliance.	2023-09-06
SANS 1029 Ed 3.2	<i>Miniature substations for rated a.c. voltages up to and including 24 Kv.</i>	Amended to update referenced standards, and the annexes on model form for schedules A and B and drawings.	2023-07-22

SANS 10142-2 Ed 1.3	<i>The wiring of premises Part 2: Medium-voltage installations above 1 kV a.c. not exceeding 22 kV a.c. and up to and including 3 MVA installed capacity.</i>	Amended to update referenced standards, to update general requirements and to delete the annex on the appointment of competent persons in South Africa..	2023-07-22
SANS 62271-102 Ed 1.2	<i>High-voltage switchgear and controlgear - Part 102: Alternating current disconnectors and earthing switches</i>	Corrected to change the reference number in the subclause on rated mechanical terminal load (subclause 4.103).	2023-07-22
SANS 62606 Ed 1.2	<i>General requirements for arc fault detection and protection devices (AFDDs).</i>		2023-07-22
SANS 60320-3 Ed 1.2	<i>Appliance couplers for household and similar general purposes Part 3: Standard sheets and gauges.</i>		2023-07-22
ARP 061 Ed 1.2	<i>Procurement guide for large cage and wound-rotor induction motors of medium voltage.</i>	Amended to update referenced standards.	2023-07-22

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 withdraw them.

Draft Standard No. and Edition	Title	Reason for withdrawal	Closing Date
SANS 60834-6 Ed 2	<i>Fixed capacitors for use in electronic equipment Part 6: Sectional specification: Fixed metallized polycarbonate film dielectric d.c. capacitors.</i>	The standard is obsolete.	2023-09-06
SANS 60834-6-1 Ed 2	<i>Fixed capacitors for use in electronic equipment Part 6-1: Blank detail specification: Fixed metallized polycarbonate film dielectric d.c. capacitors - Assessment level E</i>	The standard is obsolete.	2023-09-06
SATS 17022 Ed 1	<i>Conformity assessment - Requirements and recommendations for content of a third-party audit report on management systems.</i>	Withdrawn at ISO without replacement.	2023-09-06
SANS 22134 Ed 1	<i>Practical guidelines for socioterminology</i>	Standard is outdated and no longer relevant to the industry.	2023-09-06
SANS 61753-2-1 Ed 1	<i>Fibre optic communication system design guides Part 1: Single-mode digital and analogue systems</i>	Withdrawn at ISO with no replacement.	2023-09-06
SANS 61282-1 Ed 1	<i>Fibre optic communication system design guides Part 1: Single-mode digital and analogue systems.</i>	Withdrawn at ISO with no replacement.	2023-09-06

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 10010:2023 Ed 1	<i>Quality management - Guidance to understand, evaluate and improve organizational quality culture.</i> Gives guidance on the evaluation, development and improvement of organizational quality culture to help an organization to achieve sustained success. This document takes into account the fundamental concepts and quality management principles, with specific focus on people engagement and leadership.
SANS 60335-2-115:2023 Ed 1	<i>Household and similar electrical appliances - Safety - Part 2-115: Particular requirements for skin beauty care appliances.</i> Deals with the safety of electric appliances for skin beauty care of persons and intended for household, commercial and similar purposes, their rated voltage being not more than 250 V.
SANS 12616-1:2023 Ed 1	<i>Terminology work in support of multilingual communication - Part 1: Fundamentals of translation-oriented terminology.</i> Specifies requirements and recommendations related to fundamentals of translation-oriented terminology for producing sound bilingual or multilingual terminology collections.
SANS 26580:2023 Ed 1	<i>Software and systems engineering - Methods and tools for the feature-based approach to software and systems product line engineering.</i> Addresses a specialization of the more general reference model for software and systems product line engineering and management described in ISO/IEC 26550.
SANS 301489-27:2023 Ed 1	<i>ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Part 27: Specific conditions for Ultra Low Power Active Medical Implants (ULP-AMI) and related peripheral devices (ULP-AMI-P) operating in the 402 MHz to 405 MHz bands; - Harmonized Standard covering the essential requirements of article 3.1(b) Directive 2014/53/EU.</i> Covers the assessment of all radio transceivers associated with Ultra Low Power Active Medical Implants (ULP-AMIs) and associated Peripheral ULP-AMI-Ps in respect of ElectroMagnetic Compatibility (EMC).
SANS 301489-29:2023 Ed 1	<i>ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 29: Specific conditions for Medical Data Service Devices (MEDS) operating in the 401 MHz to 402 MHz and 405 MHz to 406 MHz bands; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU.</i> Covers the assessment of all radio transceivers associated with Ultra Low Power Active Medical Implants (ULP-AMIs), Ultra Low Power Active Medical Devices (ULP-AMDs), Ultra Low Power Body Worn Devices (ULP-BWDs) and associated Ultra Low Power Active Medical Implant Peripherals (ULP-AMI-Ps), Ultra Low Power Active Medical Device Peripherals (ULP-AMD-Ps) in respect of ElectroMagnetic Compatibility (EMC).
SANS 301489-31:2023 Ed 1	<i>Electromagnetic compatibility (EMC) standard for radio equipment and services; Part 31: Specific conditions for equipment in the 9 kHz to 315 kHz band for ultra-low power active medical implants (ULP-AMI) and related peripheral devices (ULP-AMI-P); Harmonised standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU.</i> Covers the assessment of all radio transceivers associated with inductive Ultra Low Power Active Medical Implant (ULP AMI) transmitters and receivers operating in the range from 9 kHz to 315 kHz and any associated external radio apparatus (ULP-AMI Ps) transmitting in the frequency range of 9 kHz to 315 kHz including external programmers and patient related telecommunication devices in respect of ElectroMagnetic Compatibility (EMC).

Standard No. and year	Title, scope and purport
SANS 301489-35:2023 Ed 1	<i>ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 35: Specific requirements for Low Power Active Medical Implants (LP-AMI) operating in the 2 483,5 MHz to 2 500 MHz bands; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU.</i> Covers the assessment of all radio transceivers associated with Low Power Active Medical Implants (LP-AMIs) and associated Peripheral devices (LP-AMI-P) in respect of ElectroMagnetic Compatibility (EMC).
SANS 301489-50:2023 Ed 1	<i>Electromagnetic compatibility (EMC) standard for radio equipment and services; Part 50: specific conditions for cellular communication base station (BS), repeater and ancillary equipment; harmonised standard for electromagnetic compatibility.</i> Specifies technical characteristics and methods of measurements in respect of ElectroMagnetic Compatibility (EMC) for the following equipment types: digital cellular base station equipment, including BS with antenna ports and BS without antenna ports; repeaters; and associated ancillary equipment.
SANS 301489-51:2023 Ed 1	<i>ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 51: Specific conditions for Automotive, Ground based Vehicles and Surveillance Radar Devices using 24,05 GHz to 24,25 GHz, 24,05 GHz to 24,5 GHz, 76 GHz to 77 GHz and 77 GHz to 81 GHz; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU.</i> Covers the assessment of automotive, ground based vehicles and surveillance radar devices using 24,05 GHz to 24,25 GHz, 24,05 GHz to 24,5 GHz, 76 GHz to 77 GHz and 77 GHz to 81 GHz in respect of ElectroMagnetic Compatibility (EMC).
SANS 301489-52:2023 Ed 1	<i>ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 52: Specific conditions for Cellular Communication User Equipment (UE) radio and ancillary equipment; Harmonised Standard for ElectroMagnetic Compatibility.</i>
SANS 301489-53:2023 Ed 1	<i>ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 53: Specific conditions for terrestrial sound broadcasting and digital TV broadcasting service transmitters and associated ancillary equipment Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU.</i> Specifies technical characteristic and methods of measurements for terrestrial sound broadcasting and digital TV broadcasting service transmitters, exciters, repeaters, active deflectors, On-Channel repeaters and any associated ancillary equipment.
SANS 60335-2-50:2023 Ed 5	<i>Household and similar electrical appliances - Safety Part 2-50: Particular requirements for commercial electric bains-marie.</i> Deals with the safety of electrically operated commercial bains-marie, their rated voltage being not more than 250 V for single-phase appliances connected between one phase and neutral, and 480 V for other appliances.
SANS 60335-2-55:2023 Ed 4	<i>Household and similar electrical appliances - Safety Part 2-55: Particular requirements for electrical appliances for use with aquariums and garden ponds.</i> Deals with the safety of electric appliances for use with aquariums and garden ponds for household and similar purposes, their rated voltage being not more than 250 V, including direct current (DC) supplied appliances and battery-operated appliances
SANS 19111:2023 Ed 3	<i>Geographic information - Spatial referencing by coordinates.</i> Defines the conceptual schema for the description of referencing by coordinates. Describes the minimum data required to define coordinate reference systems. Applicable to producers and users of geographic information
SANS 19112:2023 Ed 2	<i>Geographic information - Spatial referencing by geographic identifiers.</i> Defines the conceptual schema for spatial references based on geographic identifiers. establishes a general model for spatial referencing using geographic identifiers and defines the components of a spatial reference system. specifies a conceptual scheme for a gazetteer. applicable to digital geographic data, and its principles may be extended to other forms of geographic data such as maps, charts and textual documents.

Standard No. and year	Title, scope and purport
SANS 15693-2:2023 Ed 3	<i>Cards and security devices for personal identification - Contactless vicinity objects - Part 3: Anticollision and transmission protocol.</i> Specifies the protocols and commands other parameters required to initialize communications between a vicinity integrated circuit card and a vicinity coupling device, methods to detect and communicate with one card among several cards ("anticollision"), optional means to ease and speed up the selection of one among several cards based on application criteria.
SANS 60947-8:2023 Ed 2	<i>Low-voltage switchgear and controlgear Part 8: Control units for built-in thermal protection (PTC) for rotating electrical machines.</i> Specifies requirements for control units, which control a switching device in response to the PTC thermistors incorporated in rotating electrical machines and the industrial application. Specifies requirements for that type of system comprising a positive temperature coefficient (PTC) thermistor having particular characteristics, and its associated control unit. Includes the characteristics, construction, performance and tests of the control unit and its association with a PTC thermistor designated "Mark A".
SANS 61557-16:2023 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 16: Equipment for testing the effectiveness of the protective measures of electrical equipment and/or medical electrical equipment.</i> Defines performance requirements for test and measurement equipment to determine the effectiveness of the protective measures of electrical measures for electrical equipment and/or medical electrical equipment described in IEC 62353.
SANS 62055-31:2023 Ed 2	<i>Electricity metering - Payment systems Part 31: Particular requirements - Static payment meters for active energy (classes 0,5,1 and 2).</i> Applies to newly manufactured, static watt-hour payment meters of accuracy classes 0,5, 1 and 2 for direct connection, for the measurement of alternating current electrical energy consumption of a frequency in the range 45 Hz to 65 Hz that include a supply control switch for the purpose of interruption or restoration of the electricity supply to the load in accordance with the current value of the available credit maintained in the payment meter.
SANS 60079-31:2023 Ed 2	<i>Explosive atmospheres Part 31: Equipment dust ignition protection by enclosure "t".</i> Applicable to equipment protected by enclosure and surface temperature limitation for use in explosive dust atmospheres. Specifies requirements for design, construction and testing of Ex Equipment and Ex Components.

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 182-5:2023 Ed 1.4	<i>Conductors for overhead electrical transmission lines Part 5: Zinc-coated steel wires for conductors and stays. Consolidated edition incorporating amendment No. 4.</i> Amended to delete the notes to the scope, to update definitions, and to delete the appendix on notes to purchasers.
SANS 1422:2023 Ed 2.2	<i>Domestic electric laundry treatment machines. Consolidated edition incorporating amendment No. 2.</i> Amended to delete the footnotes on the obtainability of the information on AS-9 switches and on suitable temperature indicators, and the annex on note to purchasers.
SANS 10222-3:2023 Ed 5.1	<i>Electrical security installations - Part 3: Electric fences (non-lethal) and manufacture requirements. Consolidated edition incorporating amendment No. 1.</i> Amended to update the scope, and fundamental requirements, to add a note on the installation of joints, to update electromagnetic compatibility (EMC) requirements, the clauses on electric domestic pet control fences, on strip grazing electric fences, on game control electric fences, and on electric security fences - specialized, to update the annexes on lightning protection requirements for electric fences, on earthing of electric fences, and to delete the annex on certification (electric fence system certificate of compliance), and to add annexes on inspection and tests (new and existing installations), and on recommended tools.
SANS 60335-2-75:2023 Ed 3.2	<i>Household and similar electrical appliances - Safety Part 2-75: Particular requirements for commercial dispensing appliances and vending machines. Consolidated edition incorporating amendment No. 2.</i> Amended to update the scope, normative references, and the requirements for marking and instructions, heating, and construction.
SANS 60705:2023 Ed 3.2	<i>Household microwave ovens - Methods for measuring performance. Consolidated edition incorporating amendment No. 2.</i> Amended to update the scope, referenced standards, terms and definitions, to modify the requirements for classification, list of measurements, general conditions for measurements, to update the clauses on dimensions and volume, determination of microwave power output, efficiency, technical tests for performance, heating performance, cooking performance, defrosting performance, and to update the annex on regional defrosting tests.
SANS 141:2023 Ed 2.3	<i>Glass-reinforced polyester (GRP) laminates. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards, and to delete the note on the obtainability of further details of a suitable shearing tool, and the annex on notes to purchasers.
SANS 776:2023 Ed 3.2	<i>Copper alloy gate valves - Heavy duty. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards, the sub-clause on service temperature, to correct the numbering of the tables, to update the clause on materials, construction and performance, the sub-clause on strength test on handwheels, and to delete the annex on notes to purchasers.
SANS 1652:2023 Ed 1.7	<i>Battery chargers - Industrial type. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards, the requirements on electrolytic capacitors, enclosure, preparation of battery charger, and to change the designation of annex A from "guide to purchasers on preparing an enquiry" to "guide on preparing an enquiry".

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

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.