

## DEPARTMENT OF TRADE, INDUSTRY AND COMPETITION

## NOTICE 1687 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 80079-34 Ed 1	<i>Explosive atmospheres – Part 34: Application of quality systems for equipment manufacture.</i> Specifies particular requirements and information for establishing and maintaining a quality management system to manufacture Ex Products in accordance with the certificates.	2023-05-02
SATS 62257-7-3 Ed 1	<i>Recommendations for small renewable energy and hybrid systems for rural electrification – Part 7-3: Generator set – Selection of generator sets for rural electrification systems.</i> Specifies the general requirements for the selection, sizing, erection and operation of generator sets in decentralized rural electrification systems.	2023-05-02
SANS 10010 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.	2023-04-27
SANS 303687 Ed 1	<i>6 GHz WAS/RLAN; Harmonised Standard for access to radio spectrum.</i> Specifies technical characteristics and methods of measurements for Wireless access systems including radio local area networks (WAS/RLANs) operating in the band 5 925 MHz to 6 425 MHz and as further described in ETSI TR 103 524 and ECC Report 302.	2023-05-02
SANS 301489-33 Ed 1	<i>ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 33: Specific conditions for Ultra-Wide Band (UWB) devices; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU.</i> Specifies technical characteristics and methods of measurements for radio devices based on UWB technology in respect of ElectroMagnetic Compatibility (EMC).	2023-05-02
SANS 301489-53 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, excitors, repeaters, active deflectors, On-Channel repeaters, and any associated ancillary equipment.	2023-05-02
SANS 301489-51 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).	2023-05-02
SANS 301489-52 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> Specifies the applicable test conditions, performance assessment, and performance criteria for cellular communication	2023-05-02

	User Equipment (UE), including Customer Premise Equipment (CPE), Set Top Box (STB) containing cellular communication technologies, and the associated ancillary equipment in respect of ElectroMagnetic Compatibility (EMC).	
SANS 301489-50 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. 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.</i>	2023-05-02
SANS 301489-29 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. 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).</i>	2023-05-02
SANS 301489-31 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. 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).</i>	2023-05-02
SANS 301489-35 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. 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).</i>	2023-05-02

### 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 1717-3 Ed 1.1	<i>The design and approval of detonator initiation systems for use in mining and civil blasting applications – Part 3: Controlled blasting systems.</i>	Amended to update referenced standards, to move reference to legislation to foreword and to update bibliography.	2023-05-02
SANS 414 Ed 1.1	<i>Coal and coke – Analysis and testing – Higher rank coal ash and coke ash – Major and minor elements – Acid digestion/flame atomic absorption spectrometric method.</i>	Amended to update referenced standards.	2023-05-02

**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
SATS 61850-1-2:2023 Ed 1	<i>Communication networks and systems for power utility automation – Part 1-2: Guidelines on extending IEC 61850.</i> Intended for any users but primarily for standardization bodies that are considering using IEC 61850 as a base standard within the scope of their work and are willing to extend it as allowed by the IEC 61850 standards.
SATS 62257-9-8:2023 Ed 1	<i>Renewable energy and hybrid systems for rural electrification – Part 9-8: Integrated systems – Requirements for stand-alone renewable energy products with power ratings less than or equal to 350 W.</i> Provides baseline requirements for quality, durability and truth in advertising to protect consumers of off-grid renewable energy products.
SATR 61511-4:2023 Ed 1	<i>Functional safety – Safety instrumented systems for the process industry sector – Part 4: Explanation and rationale for changes in IEC 61511-1 from Edition 1 to Edition 2.</i> Specifies the rationale behind all clauses and the relationship between them, raises awareness for the most common misconceptions and misinterpretations of the clauses and the changes related to them, explains the differences between Ed. 1 and Ed. 2 of IEC 61511-1 (published in South Africa as an identical adoption under the designation SANS 61511-1) and the reasons behind the changes, presents high level summaries of how to fulfil the requirements of the clauses, and explains differences in terminology between IEC 61508-4:2010 and IEC 61511-1 Ed. 2 (published in South Africa as identical adoptions under the designations SANS 61508-4 and SANS 61511-1 respectively).
SANS 62909-1:2023 Ed 1	<i>Bi-directional grid connected power converters – Part 1: General requirements.</i> Specifies general aspects of bi-directional Grid-Connected Power Converters (GCPC), consisting of a grid-side inverter with two or more types of DC-port interfaces on the application side with system voltages not exceeding 1 000 V AC or 1 500 V DC.
SANS 60601-2-31:2023 Ed 1	<i>Medical electrical equipment – Part 2-31: Particular requirements for the basic safety and essential performance of external cardiac pacemakers with internal power source.</i> Applies to the basic safety and essential performance of external pacemakers powered by an internal electrical power source, hereafter referred to as me equipment.
SANS 61010-2-101:2023 Ed 3	<i>Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-101: Particular requirements for in vitro diagnostic (IVD) medical equipment.</i> Applies to equipment intended for in vitro diagnostic (IVD) medical purposes, including self-test IVD medical purposes.

<b>Standard No. and year</b>	<b>Title, scope and purport</b>
SANS 61730-2:2023 Ed 1	<i>PhotoVoltaic (PV) module safety qualification – Part 2: Requirements for testing.</i> Provides the testing sequence intended to verify the safety of PV modules whose construction has been assessed by IEC 61730-1 (published in South Africa as an identical adoption under the designation SANS 61730-1).
SANS 60730-2-8:2023 Ed 2	<i>Automatic electrical controls – Part 2-8: Particular requirements for electrically operated water valves, including mechanical requirements.</i> Applies to electrically operated water valves for use in, on or in association with equipment for household and similar use, including heating, air-conditioning and similar applications.
SATS 62282-7-1:2023 Ed 1	<i>Fuel cell technologies – Part 7-1: Test methods – Single cell performance tests for Polymer Electrolyte Fuel Cells (PEFC).</i> Covers cell assemblies, test station setup, measuring instruments and measuring methods, performance test methods, and test reports for PEFC single cells.
SATS 62885-1:2023 Ed 1	<i>Surface cleaning appliances – Part 1: General requirements on test material and test equipment.</i> Specifies the physical characteristics of test equipment and material used in tests common to several products covered by the IEC 62885 series for surface cleaning appliances.
SANS 125:2023 Ed 2	<i>Solid mineral fuels – Determination of carbonate carbon content – Gravimetric method.</i> Specifies a gravimetric method of determining the carbon in the mineral carbonates associated with solid mineral fuels.
SANS 12925-1:2023 Ed 2	<i>Lubricants, industrial oils and related products (class L) – Family C (Gears) – Part 1: Specifications for lubricants for enclosed gear systems.</i> Establishes the specifications relative to family C (gears) for lubricants, industrial oils and related products of Class L (see ISO 6743-6).

**SCHEDULE B.2: AMENDED STANDARDS**

The following standards have been amended in terms of section 24(1)(a) of the Standards Act.

<b>Standard No. and year</b>	<b>Title, scope and purport</b>
SANS 62035:2023 Ed 2.1	Discharge lamps (excluding fluorescent lamps) – Safety specifications. <i>Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards, general safety requirements, the clause on assessment, and the annex on information for luminaire design, and to add a new annex on additional requirements for certification.
SANS 80601-2-56:2023 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. Consolidated edition incorporating amendment No. 1.</i> Amended to update the introduction, scope, object and related standards, terms and definitions, the clauses on accuracy of controls and instruments and protection against hazardous outputs, the annexes on guide to marking and labelling requirements for ME equipment and ME systems, and on reference temperature source.
SANS 677:2023 Ed 3.6	<i>Concrete non-pressure pipes. Consolidated edition incorporating amendment No. 6.</i> Amended to update the definitions, the requirements on physical and cross references, and the clause on inspection and methods of test.
SANS 1668:2023 Ed 1.3	<i>Fibre-reinforced plastics (FRP) tanks for buried (underground) storage for petroleum products. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards, and to delete the annex on notes to purchasers.
SANS 346:2023 Ed 5.3	<i>Woven worsted fabrics. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards and to delete the annex on notes to purchasers.
SANS 555-2:2023 Ed 1.1	<i>Fluids for electrotechnical applications – Part 2: Unused uninhibited mineral insulating oils for transformers and switchgear. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards, the clauses on requirements, and on properties and methods of test, and the annex on potentially corrosive sulfur.
SANS 1258:2023 Ed 1.1	<i>Processed and low-flammable polyester canvas. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards 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.

<b>Standard No. and year</b>	<b>Title</b>
CKS 317:1972 Ed 1	<i>Clinical thermometers.</i>
CKS 352:2009 Ed 2.1	<i>Non-automated sphygmomanometers, aneroid and mercury.</i>
CKS 469:2009 Ed 1.1	<i>Medical scissors.</i>
CKS 456:2009 Ed 1.1	<i>Medical forceps (other than tooth-extracting forceps).</i>
CKS 677:1990 Ed 1	<i>Portable steam sterilizers for unwrapped instruments and utensils.</i>
CKS 255:2009 Ed 1.1	<i>Stools, hospital (Visitors, Bathroom).</i>
CKS 263:2009 Ed 1.2	<i>Clamps for hospital beds.</i>

CKS 155:1972 Ed 2	<i>Total back-extension harness.</i>
CKS 179:2009 Ed 3.1	<i>Drip stands (for saline solutions and other fluids).</i>
CKS 232:2009 Ed 1.3	<i>Swab racks.</i>
CKS 239:2010 Ed 1.3	<i>Commodes (wheel chair type).</i>
CKS 242:2009 Ed 1.1	<i>Tea trolleys.</i>
CKS 240:2009 Ed 2.1	<i>Baby weighing scales (counter design).</i>
CKS 243:2009 Ed 1.2	<i>Examination couches.</i>
CKS 624:2011 Ed 2.2	<i>Anaesthetic machines.</i>
CKS 350:2009 Ed 1.2	<i>Guard rails for hospital beds.</i>
CKS 408:1974 Ed 1	<i>Electrically-heated incubators for infants.</i>
CKS 374:2009 Ed 1.1	<i>Leg and body cradles.</i>
CKS 447:2013 Ed 2.2	<i>High-low beds.</i>
CKS 294:2009 Ed 2.1	<i>Kick-abouts.</i>
CKS 266:2010 Ed 2.1	<i>Lifting poles for patients.</i>
CKS 336:2013 Ed 2.2	<i>Mortuary trolleys.</i>
CKS 556:2009 Ed 1.2	<i>Mobile medicine (utility drug) cabinet.</i>
CKS 343:2009 Ed 1.2	<i>Orthopaedic traction-pieces and hangers.</i>
CKS 617:2009 Ed 1.1	<i>Footstools for hospital use.</i>
CKS 157:2009 Ed 2.2	<i>Bowl stands.</i>
CKS 181:2009 Ed 3.1	<i>Drug/poison cabinets.</i>
CKS 265:2009 Ed 1.2	<i>Extension rods for hospital beds.</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](mailto: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
SANS 10237 Ed 2	<i>The design, testing and installation of self-supporting metal cladding.</i>	Covers the requirements for the design, testing and installation of self-supporting longitudinally profiled sheet metal cladding systems for the external cladding of roofs and sides of buildings, spanning at least 600 mm between supports.	2023-02-16

**SCHEDULE B6: GENERAL**

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

Standard/draft No.	Title	Scope	New number/designation
SANS 3001-GR20 Ed 1.2	<i>Civil engineering test methods – Part GR20 Determination of the moisture content by oven drying.</i>	Describes a method for determining the moisture content of test samples taken from aggregate, gravel, sand or soil, by drying in an oven to a constant mass.	SANS 3001-PR20

**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.