

## DEPARTMENT OF TRADE, INDUSTRY AND COMPETITION

## NOTICE 552 OF 2020

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 1017 Ed 1	<i>Electric cables for motor vehicles - Low-voltage cables and flexible earthing straps for motor vehicles.</i> Covers general purpose motor vehicle wiring cables, battery and starter cables, and cables for intervehicle connection, for use at voltages not exceeding 100 V. Also covers uninsulated flexible earthing straps.	2020-11-03
SANS 61511-3 Ed 2	<i>Functional safety - Safety instrumented systems for the process industry sector - Part 3: Guidance for the determination of the required safety integrity levels.</i> Provides information on the underlying concepts of risk, the relationship of risk to safety integrity, the determination of tolerable risk, and a number of different methods that enable the safety integrity levels for the safety instrumented functions to be determined.	2020-11-20
SANS 15426-2 Ed 2	<i>Information technology - Automatic identification and data capture techniques - Bar code verifier conformance specification - Part 2: Two-dimensional symbols.</i> Defines test methods and minimum accuracy criteria applicable to verifiers using the methodologies of ISO/IEC 15415 (published in South Africa as an identical adoption under the designation SANS 15415) for multi-row bar code symbols and two-dimensional matrix symbologies, and specifies reference calibration standards against which these should be tested.	2020-11-20
SANS 3310-1 Ed 2	<i>Test sieves - Technical requirements and testing Part 1: Test sieves of metal wire cloth.</i> Specifies the technical requirements and corresponding test methods for test sieves of metal wire cloth, for test sieves having aperture sizes from 125mm down to 20micrometers in accordance with ISO 565.	2020-11-17
SANS 50116 Ed 2	<i>Diesel and domestic heating fuels - Determination of cold filter plugging point - Stepwise cooling bath method.</i> Specifies a method for the determination of the cold filter plugging point (CFPP) of diesel and domestic heating fuels using automated test equipment. Manual test equipment may be used, but for referee purposes only automated test equipment is allowed.	2020-11-17
SANS 54105 Ed 2	<i>Fat and oil derivatives - Fatty Acid Methyl Esters (FAME) - Determination of free and total glycerol and mono-, di-, triglyceride content (Reference method).</i> Specifies a method to determine the free glycerol and residual mono-, di- and triglyceride contents in fatty acid methyl esters (FAME) intended for addition to mineral oils. The total glycerol content is then calculated from the obtained results.	2020-11-17
SANS 54112 Ed 2	<i>Fat and oil derivatives - Fatty Acid Methyl Esters (FAME) - Determination of oxidation stability (accelerated oxidation test).</i> Specifies a method for the determination of the oxidation stability of fatty acid methyl esters (FAME) at 110 °C, by means of measuring the induction period up to 48 h.	2020-11-17
SANS 62442-1 Ed 1	<i>Energy performance of lamp controlgear Part 1: Controlgear for fluorescent lamps - Method of measurement to determine the total input power of controlgear circuits and the efficiency of the controlgear.</i> This part of IEC 62442 defines a measurement and calculation method of the total input power for controlgear-lamp circuits when operating with their associated fluorescent lamp(s). The calculation method for the efficiency of the lamp controlgear is also defined. This document applies to electrical controlgear-lamp circuits consisting only of the controlgear and the lamp(s). It is intended for use on DC supplies up to 1 000 V and/or AC supplies up to 1 000 V at 50 Hz or 60 Hz. This document specifies the measurement method	2020-11-16

	for the total input power and the calculation method of the controlgear efficiency for all controlgear used for domestic and normal commercial purposes operating with the following fluorescent lamps: linear fluorescent lamps; single-ended (compact) fluorescent lamps; other general purpose fluorescent lamps. This document does not apply to: controlgear which form an integral part of the lamp; controllable wire-wound magnetic controlgear; luminaires, which rely on additional optical performance aspects.	
SANS 16063-22 Ed 1	<i>Methods for the calibration of vibration and shock transducers Part 22: Shock calibration by comparison to a reference transducer.</i> Specifies the instrumentation and procedures to be used for secondary shock calibration of rectilinear transducers, using a reference acceleration, velocity or force measurement for the time-dependent shock. The methods are applicable in a shock pulse duration range of 0,05 ms to 8,0 ms, and a dynamic range (peak value) of 100 m/s squared to 100 km/s squared (time-dependent). The methods allow the transducer shock sensitivity (i.e. the relationship between the peak values of the transducer output quantity and the acceleration) to be obtained.	2020-11-16
SANS 61511-1 Ed 1	<i>Functional safety - Safety instrumented systems for the process industry sector - Part 1: Framework, definitions, system, hardware and application programming requirements.</i> Gives requirements for the specification, design, installation, operation and maintenance of a safety instrumented system.	2020-12-01
SANS 61511-2 Ed 1	<i>Functional safety - Safety instrumented systems for the process industry sector - Part 2: Guidelines for the application of IEC 61511-1: 2016.</i> Provides guidance on the specification, design, installation, operation and maintenance of SIFs and related SIS as defined in IEC 61511-1:2016.	2020-12-01

## 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 490 Ed 1.2	<i>Alcohol-based hand sanitizer and handrub.</i>	Amended to update the title of the standard and the foreword, to expand scope, to update referenced standards, definitions, requirements, inspection and methods of test, and the requirements for marking, to delete the annex on notes to purchasers, to update the annexes on sampling and compliance with this standard, and on quality verification of alcohol-based hand sanitizer and handrub, and to add a new annex on Standard handrub procedure	2020-11-10
SANS 1327 Ed 1.5	<i>Electrical connectors for towing and towed vehicles (7-pole connectors).</i>	To amend figure 3 to show centre pin as a Tube as section 4.2.3.b of the standard requires the socket to have Tubes in positions 1 -7. To amend figure 4 to show centre pin as a Spring pin as section 4.3.3.b of the standard requires the plug to have Spring pins in positions 1 -7.	2020-11-10
SANS 1507-1 Ed 1.2	<i>Electric cables with extruded solid dielectric insulation for fixed installations (300/500 V to 1 900/3 300 V) Part 1: General</i>	Amended to delete notes to purchasers and to change the table on marking of cables and to update the definitions.	2020-11-03

**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 722 Ed 3	The production of infants' and children's shoes (stuck-on and stitch-down construction)	The standard is obsolete	2020-11-03

**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 60598-2-1:2020 Ed 2	<i>Luminaires - Part 2-1: Particular requirements - Fixed general purpose luminaires.</i> Specifies requirements for fixed general purpose luminaires for use with electric light sources on supply voltages not exceeding 1 000 V.
SATR 80002-2 :2020 Ed 1	<i>Medical device software - Part 2: Validation of software for medical device quality systems.</i> Applies to any software used in device design, testing, component acceptance, manufacturing, labelling, packaging, distribution and complaint handling or to automate any other aspect of a medical device quality system as described in ISO 13485 (published in South Africa as an identical adoption under the designation SANS 13485).
SANS 60601-1-8:2020 Ed 1	<i>Medical electrical equipment -Part 1-8: General requirements for basic safety and essential performance -Collateral standard: General requirements, tests and guidance for alarm systems in medical electrical equipment and medical electrical systems.</i> Applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of MEDICAL ELECTRICAL EQUIPMENT and MEDICAL ELECTRICAL SYSTEMS, hereafter referred to as ME EQUIPMENT and ME SYSTEMS.
SANS 12175:2020 Ed 3	<i>Chemicals used for treatment of water intended for human consumption - Hexafluorosilicic acid.</i> Applicable to hexafluorosilicic acid used for treatment of water intended for human consumption.
SANS 22718:2020 Ed 2	<i>Cosmetics - Microbiology - Detection of Staphylococcus aureus.</i> Gives general guidelines for the detection and identification of the specified microorganism Staphylococcus aureus in cosmetic products.
SANS 50352-1:2020 Ed 2	<i>Hearing protectors - General requirements and testing Part 1: Ear-muffs.</i> Specifies requirements for construction, design, performance, marking and user information for ear-muffs.
SANS 50352-3:2020 Ed 2	<i>Hearing protectors - Safety requirements and testing Part 3: Ear-muffs attached to an industrial safety helmet.</i> Specifies requirements for construction, design, performance, marking and user information for ear-muffs fitted to an industrial helmet which complies with EN 397.

Standard No. and year	Title, scope and purport
SANS 60204-11:2020 Ed 2	<i>Safety of machinery - Electrical equipment of machines - Part 11: Requirements for equipment for voltages above 1 000 V AC or 1 500 V DC and not exceeding 36 kV.</i> Applies to electrical and electronic equipment and systems to machines, including a group of machines working together in a co-ordinated manner, which operate at nominal voltages above 1 000 V AC or 1 500 V DC and not exceeding 36 kV AC or DC with nominal frequencies not exceeding 60 Hz.
SANS 60335-2-58:2020 Ed 4	<i>Household and similar electrical appliances - Safety Part 2-58: Particular requirements for commercial electric dishwashing machines.</i> Deals with the safety of electrically operated dishwashing machines for washing plates, dishes, glassware, cutlery and similar articles, with or without means for water heating or drying, not intended for household use, 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 10497:2020 Ed 1	<i>Testing of valves - Fire type-testing requirements.</i> Specifies fire type-testing requirements and a fire type-test method for confirming the pressure-containing capability of a valve under pressure during and after the fire test.
SANS 17029:2020 Ed 1	<i>Conformity assessment - General principles and requirements for validation and verification bodies.</i> Contains general principles and requirements for the competence, consistent operation and impartiality of bodies performing validation/verification as conformity assessment activities.
SANS 20611:2020 Ed 1	<i>Adventure tourism - Good practices for sustainability - Requirements and recommendations.</i> Provides requirements and recommendations for adventure tourism activity providers on good practices for sustainability (environmental, social and economic aspects) for adventure tourism activities.
SANS 60071-1:2020 Ed 1	<i>Insulation co-ordination -Part 1: Definitions, principles and rules.</i> Applies to three-phase AC systems having a highest voltage for equipment above 1 kV, and it specifies the procedure for the selection of the rated withstand voltages for the phase-to-earth, phase-to-phase and longitudinal insulation of the equipment and the installations of these systems.
SANS 62770:2020 Ed 1	<i>Fluids for electrotechnical applications - Unused natural esters for transformers and similar electrical equipment.</i> Describes specifications and test methods for unused natural esters in transformers and similar oil-impregnated electrical equipment in which a liquid is required as an insulating and heat transfer medium.
SATR 60071-4:2020 Ed 2	<i>Insulation co-ordination -Part 4:Computational guide to insulation co- ordination and modelling of electrical networks.</i> Gives guidance on conducting insulation co-ordination studies which propose internationally recognized recommendations for the numerical modelling of electrical systems, and for the implementation of deterministic and probabilistic methods adapted to the use of numerical programmes.
SANS 61952-1:2020 Ed 1	<i>Insulators for overhead lines - Composite line post insulators for AC systems with a nominal voltage greater than 1 000 V -Part 1: Definitions, end fittings and designations.</i> Applies to composite line post insulators for AC overhead lines with a nominal voltage greater than 1 000 V and a frequency not greater than 100 Hz.
SANS 14064-2:2020 Ed 2	<i>Greenhouse gases Part 2: Specification with guidance at the project level for quantification, monitoring and reporting of greenhouse gas emission, reductions or removal enhancements.</i> Specifies principles and requirements and provides guidance at the project level for the quantification, monitoring and reporting of activities intended to cause greenhouse gas (GHG) emission reductions or removal enhancements.
SANS 50896:2020 Ed 2	<i>Chemicals used for treatment of water intended for human consumption - Sodium hydroxide.</i> Applies to sodium hydroxide used for treatment of water intended for human consumption.
SANS 60601-2-28:2020 Ed 2	<i>Medical electrical equipment Part 2-28: Particular requirements for the basic safety and essential performance of X-ray tube assemblies for medical diagnosis.</i> Applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of X-RAY TUBE ASSEMBLIES and to components thereof, intended for medical diagnosis and imaging.

Standard No. and year	Title, scope and purport
SANS 62368-1:2020 Ed 2	<i>Audio/video, information and communication technology equipment Part 1: Safety requirements.</i> Applies to the safety of electrical and electronic equipment within the field of audio, video, information and communication technology, and business and office machines with a rated voltage not exceeding 600 V.
SANS 41011:2020 Ed 2	<i>Facility management – Vocabulary.</i> Defines terms used in facility management standards.
SANS 1042:2020 Ed 2	<i>Polymer floor dressings.</i> Covers two types of a slip-resistance; waterbased polymer floor dressing that is suitable for use on thermoplastic (asphalt); semiflexible vinyl (vinyl asbestos), flexible vinyl, linoleum, rubber, and any other flooring where a dressing is used.
SANS 50898:2020 Ed 2	<i>Chemicals used for treatment of water intended for human consumption - Sodium hydrogen carbonate.</i> Applies to sodium hydrogen carbonate used for treatment of water intended for human consumption.
SANS 50887:2020 Ed 2	<i>Chemicals used for treatment of water intended for human consumption - Aluminium iron (III) sulfate.</i> Applies to aluminium iron (III) sulfate used for treatment of water intended for human consumption.
SANS 279-1:2020 Ed 1	<i>Paints and varnishes - Determination of scratch resistance - Part 1: Constant-loading method.</i> Specifies a test method for determining under defined conditions the resistance of a single coating or a multi-coat system of paint, varnish or related product to penetration by scratching with a scratch stylus loaded with a specified load.

## 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 368:2020 Ed 1.3	<i>Aloe raw material. Consolidated edition incorporating amendment No.3.</i> Amended to delete the annex on notes to purchasers.
SANS 1411-1:2020 Ed 2.2	<i>Materials of insulated electric cables and flexible cords Part 1: Conductors. Consolidated edition incorporating amendment No.2.</i> Amended to update definitions, and to delete reference to an association of manufacturers.
SANS 1492-2:2020 Ed 2.3	<i>Men's shoes with stuck-on outer soles Part 2: California type construction. Consolidated edition incorporating amendment No.3.</i> Amended to update referenced standards, to update the requirements on materials and components, constructional requirements, workmanship and finish, methods of test, and to delete the annex on notes to purchasers.
SANS 1520-2:2020 Ed 2.1	<i>Flexible electric trailing cables for use in mines Part 2: Cables with operating voltages of 3,8/6,6 kV to 19/33 kV. Consolidated edition incorporating amendment No.1.</i> Amended to change the requirement for the metallic screen filling factor of the copper component of the braid, to add the table on constructional requirements (6,35/11 kV cables) type 611, and to delete the annex on notes to purchasers.
SANS 60851-5:2020 Ed 2.2	<i>Winding wires - Test methods Part 5: Electrical properties. Consolidated edition incorporating amendment No.2.</i> Amended to update the contents, to modify information on test 13: Breakdown voltage and test 14: Continuity of insulation (applicable to enamelled round and tape wrapped round wire).
SANS 47:2020 Ed 3.3	<i>Coal-tar type disinfectant liquids (black and white). Consolidated edition incorporating amendment No.3.</i> Amended to delete the annex on notes to purchasers.
SANS 60335-2-6:2020 Ed 4.1	<i>Household and similar electrical appliances - Safety Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances. Consolidated edition incorporating amendment No.1.</i> Amended to update the clauses on terms and conditions, marking and instructions, heating, moisture resistance, mechanical strength, and construction, to add the figures on detail of bottle cap and position of hole (figure 106), spillage solution bottle (figure 107) and bottle position for the spillage test (figure 108), and to update cross references.

SANS 60851-2:2020 Ed 2.2	<i>Winding wires - Test methods Part 2: Determination of dimensions. Consolidated edition incorporating amendment No.2. Amended to add the subclause on increase in dimensions due to the bonding layer of enamelled rectangular wire</i>
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**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 22004	<i>Food safety management systems - Guidance on the application of ISO 22000:2005.</i>
SANS 14520-2	<i>Gaseous fire-extinguishing systems - Physical properties and system design Part 2: CF3I extinguishant.</i>
SANS 14520-6	<i>Gaseous fire-extinguishing systems - Physical properties and system design Part 6: HCFC blend A extinguishant.</i>

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.