

## DEPARTMENT OF TRADE AND INDUSTRY

## NOTICE 198 OF 2018

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 753:2018 Ed 5	<i>Pine poles, cross-arms and spacers for power distribution, telephone systems and street lighting.</i> Specifies requirements for pine poles, grown in Southern Africa, that are treated with creosote, a mixture of creosote and waxy oil, or a mixture of copper-chromium-arsenic compounds (CCA), and that are intended to be used as upright supports for street lighting and telephone systems, and as upright supports, cross-arms and spacers (in five-pole structures) for power distribution lines.	2018-05-22
SANS 22870:2018 Ed 2	<i>Point-of-care testing (POCT) -- Requirements for quality and competence.</i> Specific requirements applicable to point-of-care testing and is intended to be used in conjunction with ISO 15189.	2018-05-24
SANS 1557:2018 Ed 4	<i>Sunscreen products.</i> Specifies requirements for topically applied cosmetic products claiming sun protection properties, and provides a basis for the evaluation of such products in accordance with performance criteria. It also specifies requirements for the advertising and labelling of sunscreen products.	2018-05-24
SANS 1780:2018 Ed 1	<i>Bactericidal efficacy of peroxide and peracetic acid based products for general use.</i> Specifies a method to determine the bactericidal efficacy of peroxide and peracetic acid based products for general use	2018-05-24
SANS 11770-3:2018 Ed 3	<i>Information technology - Security techniques - Key management Part 3: Mechanisms using asymmetric techniques.</i> Defines key management mechanisms based on asymmetric cryptographic techniques. It specifically addresses the use of asymmetric techniques to achieve the following goals: a) establish a shared secret key for use in a symmetric cryptographic technique between two entities A and B by key agreement. In a secret key agreement mechanism, the secret key is computed as the result of a data exchange between the two entities A and B. Neither of them should be able to predetermine the value of the shared secret key; b) establish a shared secret key for use in a symmetric cryptographic technique between two entities A and B via key transport.	2018-05-27
SANS 15946-1:2018 Ed 3	<i>Information technology - Security techniques - Cryptographic techniques based on elliptic curves Part 1: General.</i> Describes the mathematical background and general techniques necessary for implementing the elliptic curve cryptography mechanisms defined in ISO/IEC 15946-5 (published in South Africa under the designation SANS 15946-5), ISO/IEC 9796-3, ISO/IEC 11770-3 (published in South Africa under the designation SANS 11770-3), ISO/IEC 14888-3 (published in South Africa under the designation SANS 14888-3), ISO/IEC 18033-2 and other ISO/IEC standards.	2018-05-27
SANS 24759:2018 Ed 2	<i>Information technology - Security techniques - Test requirements for cryptographic modules.</i> Specifies the methods to be used by testing laboratories to test whether the cryptographic module conforms to the requirements specified in ISO/IEC 19790:2012.	2018-05-27

## 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
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SANS 868-1-1:2018 Ed 1.1	<i>Compression-ignition engine systems and machines powered by such engine systems, for use in mines and plants with explosive gas atmospheres or explosive dust atmospheres or both Part 1-1: Hazardous locations in underground mines - Basic explosion protected engines.</i>	Amended to move reference to marking from the foreword to the clause on marking and to delete the relevant note on marking, to remove reference to regulator from the foreword, to update referenced standards, and to renumber and update the definitions.	2018-05-02
SANS 1524-1-2:2018 Ed 1.1	<i>Electricity payment systems Part 1-2: Surge protective devices for the protection of payment meters.</i>	Amended to change the designation "SANS 1524-1-2/NRS 009-1-2" to read "SANS 1524-1-2".	2018-05-24
SANS 10313:2018 Ed 3.3	<i>Protection against lightning - Physical damage to structures and life hazard.</i>	Amended to update referenced standards, and the table on lightning ground flash density Ng.	2018-05-27
SANS 164-0:2018 Ed 1.5	<i>Plug and socket-outlet systems for household and similar purposes for use in South Africa - Part 0: General requirements.</i>	Amended to change the title of the standard, the list of parts in the foreword and requirements.	2018-05-27
SANS 164-6:2018 Ed 1.5	<i>Plug and socket-outlet systems for household and similar purposes for use in South Africa Part 6: Two-pole (Class II), 16 A 250 V a.c. system.</i>	Amended to change the title of the standard, and to update the list of parts in the foreword.	2018-05-27
SANS 164-5:2018 Ed 1.2	<i>Plug and socket-outlet systems for household and similar purposes for use in South Africa Part 6: Two-pole (Class II), 16 A 250 V a.c. system.</i>	Amended to change the title of the standard, and to update the list of parts in the forward.	2018-05-27
SANS 164-1:2018 Ed 5.4	<i>Plug and socket-outlet systems for household and similar purposes for use in South Africa Part 1: Two-pole and earth, 16 A 250 V a.c. system.</i>	Amended to change the title of the standard, the foreword, the list of parts in the foreword.	2018-05-27
SANS 164-2-1:2018 Ed 1.14	<i>Plug and socket-outlet systems for household and similar purposes for use in South Africa Part 2-1: Two-pole and earth, 16 A 250 V a.c. partially dedicated system.</i>	Amended to change the title of the standard, and to update the list of parts.	2018-05-27

## 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
SANS 62271-101:2018 Ed 2	<i>High-voltage switchgear and controlgear Part 101: Synthetic testing.</i>	The committee decided to withdraw the document as a national standard since it is not used by local industries or in SA environment.	2018-05-31

## 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

Standard No. and year	Title, scope and purport
SANS 62931:2018 Ed 1	<i>GX16t-5 capped tubular led lamp - Safety specifications.</i> Specifies the safety and interchangeability requirements together with the test methods and conditions required to show compliance of non-integrated tubular LED lamps, intended for general lighting purposes.
SANS 8082-1:2018 Ed 1	<i>Self-propelled machinery for forestry - Laboratory tests and performance requirements, for roll-over protective structures - Part 1: General machines.</i> Establishes a consistent, reproducible means of evaluating the force-deflection characteristics of roll-over protective structures (ROPS) on self-propelled forestry machines under static loading, and prescribes performance requirements for a representative specimen under such loading.
SANS 8082-2:2018 Ed 1	<i>Self-propelled machinery for forestry - Laboratory tests and performance requirements, for roll-over protective structures - Part 2: Machines having a rotating platform with a cab and boom on the platform.</i> Establishes a consistent and reproducible means of evaluating the load-carrying characteristics of roll-over protective structures (ROPS) on self-propelled forestry machines under static loading, and gives performance requirements for a representative specimen under such loading.
SANS 51996-1-1:2018 Ed 1	<i>Eurocode 6 - Design of masonry structures - Part 1-1: General rules for reinforced and unreinforced masonry structures.</i> Gives the basis for the design of buildings and civil engineering works in masonry which deals with unreinforced masonry and reinforced masonry where the reinforcement is added to provide ductility, strength or improve serviceability.
SANS 51996-1-2:2018 Ed 1	<i>Eurocode 6 - Design of masonry structures - Part 1-2: General rules - Structural fire design.</i> Applies to masonry structures which, for reasons of general fire safety, are required to fulfil certain functions when exposed to fire, in terms of avoiding premature collapse of the structure (load bearing function) and limiting fire spread (flames, hot gases, excessive heat) beyond designated areas (separating function).
SANS 51996-2:2018 Ed 1	<i>Eurocode 6 - Design of masonry structures - Part 2: Design considerations, selection of materials and execution of masonry.</i> Gives basic rules for the selection of materials and execution of masonry to enable it to comply with the design assumptions of the other parts of Eurocode 6.
SANS 16649-1:2018 Ed 1	<i>Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of beta-glucuronidase-positive Escherichia coli - Part 1: Colony-count technique at 44 degrees Celsius using membranes and 5-bromo-4-chloro-3-indolyl beta-D-glucuronide.</i> Specifies a horizontal method for the enumeration of beta-glucuronidase-positive Escherichia coli in products intended for human consumption or for the feeding of animals.
SANS 10160-3:2018 Ed 2	<i>Basis of structural design and actions for buildings and industrial structures Part 3: Wind actions.</i> Gives guidance on the determination of natural wind actions for the structural design of buildings and industrial structures including the entire structure, part of the structure, or elements attached to the structure.
SANS 10343:2018 Ed 2	<i>Verification of non-automatic electronic self-indicating road vehicle mass measuring equipment for use by road traffic authorities.</i> Specifies requirements for the verification of non-automatic (static mass measurement) electronic self-indicating road vehicle mass measuring equipment for use by road traffic authorities.
SANS 11850:2018 Ed 2	<i>Machinery for forestry - General Safety requirements.</i> Specifies general safety requirements for self-propelled forestry machines and machines configured as forestry machines.
SANS 10232-1:2018 Ed 4	<i>Transport of dangerous goods - Emergency information systems Part 1: Emergency information system for road transport.</i> Covers requirements for emergency information systems, such as requirements for hazard class diamonds, placards and emergency information documents. Is intended to assist emergency services response teams in the mitigation of an incident that involves dangerous goods.
SANS 704:2018 Ed 2	<i>Terminology work - Principles and methods.</i> Establishes and harmonizes the basic principles and methods for preparing and compiling terminologies both inside and outside the framework of standardization. Describes the links between objects, concepts, and their terminological representations.
SANS 27000:2018 Ed 3	<i>Information technology - Security techniques - Information security management systems - Overview and vocabulary.</i> Provides an overview of information security management systems, and terms and definitions commonly used in the ISMS family of standards.

**SCHEDULE B.2: AMENDMENT/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 58:2018 Ed 2.3	<i>Coiled wire for automatic baling machines. Consolidated edition incorporating amendment No.3.</i> Amended to update referenced standards.
SANS 585:2018 Ed 4.1	<i>The production of frozen fish, marine molluscs, and products derived therefrom. Consolidated edition incorporating amendment No.1.</i> Amended to update the foreword and referenced standards.
SANS 650:2018 Ed 3.3	<i>Laundry detergent (for use in non-automatic domestic washing machines). Consolidated edition incorporating amendment No.3.</i> Amended to update general requirements.
SANS 788:2018 Ed 1.2	<i>Frozen shrimps (prawns), langoustines and crabs. Consolidated edition incorporating amendment No.3.</i> Amended to update referenced standards, to move reference to legislation to the foreword, to update the table on microbiological requirements for one random sample of product, and to update the clause on methods of microbiological examination.
SANS 1216:2018 Ed 2.3	<i>Solvent-emulsion degreasers. Consolidated edition incorporating amendment No.3.</i> Amended to change the designation from SABS to SANS, to update referenced standards, to remove the subclause on storage stability, to delete the footnotes on standard oil and materials, to update the subclause on formulation, to delete the annex on the general information to users, and to update the annex on quality verification of solvent-emulsion degreasers.
SANS 1774:2018 Ed 2.1	<i>Liquefied petroleum gases. Consolidated edition incorporating amendment No.1.</i> Amended to update referenced standards and to update the table on indicative vapour pressures for propane and butane mixtures at various temperatures.
SANS 6082:2018 Ed 3.1	<i>Cleaning efficiency of high-foam laundry detergents. Consolidated edition incorporating amendment No.1.</i> Amended to delete the footnote on standard soiled cotton swatches.
SANS 10160-1:2018 Ed 1.2	<i>Basis of structural design and actions for buildings and industrial structures Part 1: Basis of structural design. Consolidated edition incorporating amendment No.2.</i> Amended to update the table on partial factors for actions for the ultimate limit state, the equation on combination of actions for reversible serviceability, and the table on summary of recommended criteria for the irreversible serviceability limit state.
SANS 10231:2018 Ed. 4.1	<i>Transport of dangerous goods by road - Operational requirements. Consolidated edition incorporating amendment No.1.</i> Amended to update referenced standards, to update definitions and renumber definitions accordingly, to update the requirements for dangerous goods declaration, and to update the annex on a completed waste dangerous goods declaration (WDGD) or waste manifest.
SANS 10232-4:2018 Ed 1.3	<i>Transport of dangerous goods - Emergency information systems Part 4: Transport emergency card. Consolidated edition incorporating amendment No.3.</i> Amended to update the scope, referenced standards, definitions and abbreviations, requirements for the format, requirements for information provided, requirements for revision, and the annex on transport emergency card layout, to delete the annex on danger phrases (H phrases), to update the annexes on protective equipment phrases (PP and ER phrases) and on phrases for driver actions (D, S and F phrases), and to delete the annexes on first aid phrases, phrases for emergency services, and on Acts and regulations, and to delete the bibliography.
SANS 60335-1:2018 Ed 3.2	<i>Household and similar electrical appliances - Safety Part 1: General requirements. Consolidated edition incorporating amendment No.2.</i> Amended to update the foreword, introduction, referenced standards, classification, marking and instructions, protection against access to live parts, power input and current, heating, the clauses on current and electric strength at operating temperature, moisture resistance, leakage current and electric strength, abnormal operation, construction, stability and mechanical hazards, components, supply connection and external flexible cords, provision for earthing, clearances, creepage distances and solid insulation, and the annexes on appliances powered by rechargeable batteries that are recharged in the appliance (annex B), switches (annex H), guidance for the application of this standard to appliances used in tropical climates (annex P), and on battery-operated appliances powered by batteries that are non-rechargeable or not recharged in the appliance (annex S).
SANS 60335-2-2:2018 Ed 4.2	<i>Household and similar electrical appliances - Safety Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances. Consolidated edition incorporating amendment No.2.</i> Amended to update the scope, referenced standards, and terms and definitions, to update the subclauses on general conditions for tests, marking and instructions, and heating, to add a new table on maximum temperature rises for specified accessible external surfaces under normal operating conditions (table 101), to update the subclauses on moisture resistance, abnormal operation, and mechanical strength, and to update the requirements for construction, resistance to heat and fire, the figure on probe for measuring surface temperature (figure 105), and the subclause on construction.

**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 B.4: ESTABLISHMENT OR DISBANDMENT OF TECHNICAL COMMITTEES**

In terms of section 4(2) (1) the South African Bureau of Standards has established/disbanded the following technical committees:

Technical 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 5: ADDRESSES OF THE SOUTH AFRICAN BUREAU OF STANDARDS OFFICES**

The addresses of offices of the South African Bureau of Standards where copies of the standards mentioned in this notice can be obtained, are as follows:

1. Gauteng Head Office, 1 Dr Lategan Road, Groenkloof, Private Bag X191, Pretoria 0001.
2. Western Cape Regional Office, SABS, Liesbeek Park Way, Rosebank, PO Box 615, Rondebosch 7701.
3. Eastern Cape Regional Office, SABS, 30 Kipling Road, cor. Diaz and Kipling Roads, Port Elizabeth, PO Box 3013, North End 6056.
4. KwaZulu-Natal Regional Office, SABS, 15 Garth Road, Waterfall Park, Durban, PO Box 30087, Mayville 4058.