

## DEPARTMENT OF TRADE AND INDUSTRY

## NOTICE 486 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 457-2 Ed 7	<i>Wooden poles, droppers, guardrail posts and spacer blocks Part 2: Softwood species.</i> Specifies requirements for preservative-treated softwood poles, droppers, guardrail posts and spacer blocks. The poles are intended for the erection of fences and vine trellises, for general use in orchards and for structural purposes. The droppers are intended for fencing. The posts and spacer blocks are intended for the erection of steel guardrails at the sides of roads.	2018-09-19
SANS 1514 Ed 1	<i>Major Hazard Installation: Emergency response planning.</i> Provides the establishing, implementation and maintenance of on-site and off-site emergency plans as required by the local legislation on major hazards installations. This standard will address the accountabilities of the establishment and the relevant local authorities respectively.	2018-09-25
SANS 10019 Ed 8	<i>Transportable pressure receptacles for compressed, dissolved and liquefied gases - Basic design, manufacture, use and maintenance.</i> This standard covers the minimum requirements for the design, manufacture, use and maintenance of refillable and non-refillable pressure receptacles of water capacity 0,5 L to 3 000 L and cartridges of water capacity greater than 0,5 L, and can include requirements over and above those contained in the pressure receptacles design and manufacturing standards (see table 1 and annex A). In addition to industrial, refrigerant, medical and domestic type pressure receptacles, this standard also covers cylinders for self-contained underwater breathing apparatus (SCUBA) for recreational and commercial diving, and self-contained surface breathing apparatus (SCBA). This standard covers the design requirements for carbon dioxide (CO <sub>2</sub> ) and high-pressure inert gas mixtures used in portable and fixed fire-fighting systems.	2018-09-17
SANS 10124 Ed 4	<i>The application of registered soil insecticides for the protection of buildings.</i> Covers the precautions to be taken by pest control contractors (PCCs) and pest control operators (PCOs) when handling registered soil insecticides, the procedure for the effective application of registered soil insecticides for the protection of building sites and to existing buildings (other than wooden structures in contact with the ground) against subterranean wood-destroying termites, and describes the action to be taken in the event of contamination or poisoning.	2018-09-17
SANS 61084-2-3 Ed 1	<i>Cable trunking systems and cable ducting systems for electrical installations - Part 2-3: Particular requirements - Slotted cable trunking systems intended for installation in cabinets.</i> Specifies requirements and tests for cable trunking systems (CTS) and cable ducting systems (CDS) of maximum voltage 1000 V ac and 1500 V dc intended for the accommodation and, where necessary, for the electrically protective separation, of insulated conductors, cables and possibly other electrical equipment in electrical or communication systems installations (or both).	2018-09-18
SANS 61643-32 Ed 1	<i>Low-voltage surge protective devices - Part 32: Surge protective devices connected to the d.c. side of photovoltaic installations - Selection and application principles.</i> Describes the principles for selection, installation and coordination of SPDs intended for use in Photovoltaic (PV) systems up to 1 500 V DC and for the AC side of the PV system rated up to 1 000 V rms 50/60 Hz.	2018-09-18

SANS 61010-2-101 Ed 1	<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. IVD medical equipment, whether used alone or in combination, is intended by the manufacturer to be used in vitro for the examination of specimens, including blood and tissue samples, derived from the human body, solely or principally for the purpose of providing information concerning one or more of the following: a physiological or pathological state; or a congenital abnormality; the determination of safety and compatibility with potential recipients; the monitoring of therapeutic measures. Self-test IVD medical equipment is intended by the manufacturer for use by lay persons in a home environment. NOTE If all or part of the equipment falls within the scope of one or more other part 2 standards of IEC 61010 as well as within the scope of this standard, it will also need to meet the requirements of those other part 2 standards.	2018-09-18
SANS 10234 Ed 2	<i>Globally Harmonized System of classification and labelling of chemicals (GHS).</i> Covers the harmonized criteria for the classification of hazardous substances and mixtures, including waste, for their safe transport, use at the workplace or in the home according to their health, environmental and physical hazards. Gives the harmonized communication elements for labelling and safety data sheets. Does not cover pharmaceuticals, food additives, cosmetics and pesticide residues in food in terms of labelling at the point of intentional intake.	2018-09-26
SANS 80079-20-2 Ed 1	<i>Explosive atmospheres - Part 20-2: Material characteristics - Combustible dusts test methods.</i> Describes the test methods for the identification of combustible dust and combustible dust layers in order to permit classification of areas where such materials exist for the purpose of the proper selection and installation of electrical and mechanical equipment for use in the presence of combustible dust.	2018-10-02
SANS 3001-AS5 Ed 1	<i>Civil engineering test methods - Part AS5: Determination of the dynamic creep of asphalt.</i> Describes a method to determine the dynamic creep of an asphalt mixture by applying a cyclical axial load to a cylindrical specimen at a controlled temperature. The resultant strain is used to calculate a dynamic creep modulus for the asphalt.	2018-10-02
SANS 11257 Ed 1	<i>Iron ores for shaft direct-reduction feedstocks - Determination of the low-temperature reduction-disintegration index and degree of metallization.</i> Specifies a method to provide a relative measure for evaluating the degree of size degradation and degree of metallization of iron ores, when reduced under conditions resembling those prevailing in shaft direct-reduction processes.	2018-10-02
SANS 80079-36 Ed 1	<i>Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres - Basic method and requirements.</i> Specifies the basic method and requirements for design, construction, testing and marking of non-electrical Ex equipment, Ex Components, protective systems, devices and assemblies of these products that have their own potential ignition sources and are intended for use in explosive atmospheres.	2018-10-02

#### 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 950 Ed 3.1	<i>Non-metallic conduit fittings for use in electrical installations.</i>	Amended to update the scope, general requirements, and figures on 4 × 2 and 4 × 4 typical configuration of rectangular boxes.	2018-09-18
SANS 1085 Ed 3.3	<i>Metallic wall outlet boxes for the enclosure of electrical accessories.</i>	Amended to remove the requirements for non-metallic wall outlet boxes and to change the title of the standard.	2018-09-30

**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 withdrawn them.

Draft Standard No. and Edition	Title	Reason for withdrawal	Closing Date
SANS 647	<i>Brown coals and lignites - Determination of the yields of tar, water, gas and coke residue by low temperature distillation</i>	There are no brown coals and lignites mined in South Africa.	2018-09-30

**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 16872:2018 Ed 1	<i>Round steel short link chains for lifting purposes - Fine tolerance hoist chains for hand operated chain hoists - Grade VH.</i> Specifies the requirements for fine-tolerance hoist chains of grade VH for use as load chains in hand operated chain hoists for lifting purposes.
SANS 20034:2018 Ed 1	<i>Uniform provisions concerning the approval of vehicles with regard to the prevention of fire risks.</i> Applies to the approval of vehicles of categories M, N and O1 with regard to the tank(s) for liquid fuel.
SANS 50166:2018 Ed 1	<i>Personal eye-protection – Specifications.</i> Specifies functional requirements for various types of personal eye-protectors and incorporates general considerations such as: designation; classification; basic requirements applicable to all eye-protectors; various particular and optional requirements; allocation of requirements, testing and application; marking; information for users.
SANS 50168:2018 Ed 1	<i>Personal eye-protection - Non-optical test methods.</i> Specifies non-optical test methods for eye-protectors, the requirements for which are contained in other European Standards.
SANS 50170:2018 Ed 1	<i>Personal eye-protection - Ultraviolet filters - Transmittance requirements and recommended use</i> Specifies the scale numbers and transmittance requirements for filters for protection against ultraviolet radiation.
SANS 50171:2018 Ed 1	<i>Personal eye-protection - Infrared filters - Transmittance requirements and recommended use.</i> Specifies the scale numbers and transmittance requirements for filters for protection against infrared radiation.
SANS 50172:2018 Ed 1	<i>Personal eye protection - Sunglare filters for industrial use.</i> Specifies the scale numbers, transmittances and related requirements for sunglare filters for industrial use.
SANS 61131-3:2018 Ed 2	<i>Programme controllers Part 3: Programming languages.</i> Specifies the syntax and semantics of a unified suite of programming languages for programmable controllers (PCs).

**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 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 the regulator from the foreword, to update referenced standards, and to update and renumber the definitions accordingly.
SANS 1519-1:2018 Ed 2.4	<i>Road signs Part 1: Retro-reflective sheeting material. Consolidated edition incorporating amendment No.2.</i> Amended to delete the footnote on the availability of referenced standards, the subclauses on resistance to corrosion and on corrosion test, and the figure on apparatus for corrosion test.

**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 10140-5	<i>Identification colour marking Part 5: Coding of containers for carrying lubricants and associated fluids.</i>

**SCHEDULE B.4: ESTABLISHMENT OF TECHNICAL COMMITTEES**

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

Technical Committee No.:	Title	Scope

**SCHEDULE B.4: DISBANDMENT OF TECHNICAL COMMITTEES**

In terms of section 4(2) (l) the South African Bureau of Standards has 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.