

DEPARTMENT OF TRADE AND INDUSTRY
DEPARTEMENT VAN HANDEL EN NYWERHEID

No. 912**21 November 2014**

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.

A list of all existing South African national standards was published by Government Notice No. 1373 of 8 November 2002.

In the list of SANS standards below, the equivalent SABS numbers, where applicable, are given below the new SANS numbers for the sake of convenience. Standards that were published with the "SABS" prefix are listed as such.

SCHEDULE 1: ISSUE OF NEW STANDARDS

The standards mentioned have been issued in terms of section 16(3) of the Act.

| Standard No. and year | Title, scope and purport |
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| SANS 19157:2014/ ISO 19157:2013 | <i>Geography Information - Data Quality</i> . Establishes the principles for describing the quality of geographic data. Also defines components for describing data quality; specifies components and content structure of a register for data quality measures; describes general procedures for evaluating the quality of geographic data; establishes principles for reporting data quality. |
| SANS 22915-1:2014/ ISO 22915-1:2008 | <i>Industrial trucks - Verification of stability Part 1: General</i> . Deals with the safety of industrial trucks, as defined in ISO 5053, relatively to their stability and the verification of that stability. |
| SANS 22915-2:2014/ ISO 22915-2:2008 | <i>Industrial trucks - Verification of stability Part 2: Counterbalanced trucks with mast</i> . Specifies the tests for verifying the stability of counterbalanced trucks with masts equipped with for K arms or with load handling attachments. Not applicable to those trucks designed for handling freight containers, dealt with by ISO 22915-9. |
| SANS 22915-3:2014/ ISO 22915-3:2008 | <i>Industrial trucks - Verification of stability Part 3: Reach and straddle trucks</i> . Specifies the tests for verifying the stability of reach trucks (with retractable mast or fork) and straddle trucks, equipped with tilting or non-tilting masts or fork arms and having a rated capacity up to and including 5000 kg. |
| SANS 22915-21:2014/ ISO 22915-21:2009 | <i>Industrial trucks - Verification of stability Part 21: Order-picking trucks with operator position elevating above 1 200 mm</i> . Specifies the tests for verifying the stability of order-picking trucks with an elevating operator position, where the operator's positions can be raised to an elevation above 1 200 mm. Applies to industrial trucks fitted with fork arms, platforms or integrated attachments (or any combination of these) under normal operating conditions. |
| SANS 28801:2014/ ISO 28801:2011 | <i>Double sampling plans by attributes with minimal sample sizes, indexed by producer's risk quality (PRQ) and consumer's risk quality (CRQ)</i> . Provides double sampling plans by attributes for the acceptance inspection of lots of discrete items. Provides procedures that enable lot disposition to be determined quickly and economically if quality is particularly good or bad. For intermediate quality, a second sample is drawn in order to be able to discriminate more reliably between acceptable and unacceptable lots. Preferable to single sampling plans where the cost of inspection is high and where the delay and uncertainty caused by the possible requirement for second samples is inconsequential. Suitable for isolated lots or for short series of lots, where the sum of the two sample sizes is no larger than about 10 % of the size of the lot. |
| SANS 50483-3:2014/ EN 50483-3:2009 | <i>Test requirements for low voltage aerial bundled cable accessories - Part 3: Tension and suspension clamps for neutral messenger system</i> . Applies to overhead line fittings for tensioning, supporting and connecting aerial bundled cables (ABC) of rated voltage U0/U (Um): 0,6/1 (1,2) kV. |
| SANS 50483-4:2014/ EN 50483-4:2009 | <i>Test requirements for low voltage aerial bundled cable accessories - Part 4: Connectors</i> . Applies to overhead line fittings for tensioning, supporting and connecting aerial bundled cables (ABC) of rated voltage U0/U (Um): 0,6/1 (1,2) kV. |
| SANS 50483-5:2014/ EN 50483-5:2009 | <i>Test requirements for low voltage aerial bundled cable accessories - Part 5: Electrical ageing test</i> . Applies to overhead line fittings for tensioning, supporting and connecting aerial bundled cables (ABC) of rated voltage U0/U (Um): 0,6/1 (1,2) kV. |
| SANS 53164:2014/ EN 13164:2012 | <i>Thermal insulation products for buildings - Factory made extruded polystyrene foam (XPS) products - Specification</i> . Specifies the requirements for factory made products of extruded polystyrene foam, with or without facings or coatings, which are used for the thermal insulation of buildings. |
| SANS 60974-10:2014/ IEC 60974-10:2014 | <i>Arc welding equipment Part 10: Electromagnetic compatibility (EMC) requirements</i> . Specifies applicable standards and test methods for radio-frequency (RF) emissions; applicable standards and test methods for harmonic current emission, voltage fluctuations and flicker; immunity requirements and test methods for continuous and transient, conducted and radiated disturbances including electrostatic discharges. Is applicable to equipment for arc welding and allied processes, including power sources and ancillary equipment, for example wire feeders, liquid cooling systems and arc striking and stabilizing devices. |
| SANS 61010-2-091:2014/ IEC 61010-2-091:2012 | <i>Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-091: Particular requirements for cabinet X-ray systems</i> . This standard specifies particular safety requirements for cabinet x-ray systems. A cabinet x-ray system is a system that contains an X-ray tube installed in a cabinet which, independently of existing architectural structures except the floor on which it may be placed, is intended to contain at least that portion of a material being irradiated, provide radiation attenuation, and exclude personnel from the interior during generation of X-radiation. These cabinet x-ray systems are used in industrial, commercial and public environments, for example, to inspect materials, to analyze materials and to screen baggage. |

| Standard No. and year | Title, scope and purport |
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| SANS 61558-2-10/ IEC 61558-2-10 | <i>Safety of transformers, reactors, power supply units and combinations thereof - Part 2-10: Particular requirements and tests for separating transformers with high insulation level and separating transformers with output voltages exceeding 1 000 V.</i> This part of SANS 61558 deals with the safety of separating transformers with high insulation level and separating transformers with output voltages exceeding 1 000 V. Transformers incorporating electronic circuits are also covered by this standard. |
| SANS 62135-2:2014/ IEC 62135-2:2007 | <i>Resistance welding equipment Part 2: Electromagnetic compatibility (EMC) requirements.</i> Applicable to equipment for resistance welding and allied processes which are connected to mains supplies with rated voltages up to 1 000 V a.c. r.m.s. Does not define safety requirements. |
| SANS 62275:2014/ IEC 62275:2013 | <i>Cable management systems - Cable ties for electrical installations.</i> Specifies requirements for metallic, non-metallic and composite cable ties and their associated fixing devices used for the management and support of wiring systems in electrical installations. |
| SANS 62282-3-100:2014/ IEC 62282-3-100:2012 | <i>Fuel cell technologies Part 3-100: Stationary fuel cell power systems - Safety.</i> Applies to stationary packaged, self-contained fuel cell power systems or fuel cell power systems comprised of factory matched packages of integrated systems which generate electricity through electrochemical reactions. |
| SANS 62282-3-200:2014/ IEC 62282-3-200:2011 | <i>Fuel cell technologies Part 3-200: Stationary fuel cell power systems - Performance test methods.</i> Covers operational and environmental aspects of the stationary fuel cell power systems performance. |
| SANS 62626-1:2014/ IEC 62626-1:2014 | <i>Low-voltage switchgear and controlgear enclosed equipment - Part 1: Enclosed switch-disconnectors outside the scope of IEC 60947-3 to provide isolation during repair and maintenance work.</i> Applies to enclosed switches-disconnectors with rated voltages up to 1 000 V a.c. for repair and maintenance work or cleaning work in load circuits. |
| SANS 100241-1:2014/ SANS 100241-1:2011 | <i>Terminological entries in standards Part 1: General requirements and examples of presentation.</i> Specifies requirements for the drafting and structuring of terminological entries in standards, exemplified by terminological entries in ISO and IEC documents. |
| SANS 100241-2:2014/ SANS 100241-2:2012 | <i>Terminological entries in standards Part 2: Adoption of standardized terminological entries.</i> Addresses the introduction of standardized terminological entries into other cultural and linguistic environments, and in particular the adoption of internationally standardized terminological entries by regional and national standardizing bodies. Establishes principles and guidelines for dealing with the key issues to be considered in this process. |

SCHEDULE 2: AMENDMENT OF EXISTING STANDARDS

The standards mentioned have been amended in terms of section 16(3) of the Act. The number and date of a standard that has been superseded appear in brackets below the new number. In the case of an amendment issued in consolidated format, the edition number of the new (consolidated) edition appears in brackets below the number of the standard.

| Standard No. and year | Title, scope and purport |
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| SANS 47:2014 (Ed. 3.2) | <i>Coal-tar type disinfectant liquids (black and white). Consolidated edition incorporating amendment No. 2.</i> Amended to update a NOTE in the scope, modify the definition of average Rideal-Walker (RW) coefficient, and the requirements for inoculating loop, pipette, accuracy, preparation of nutrient agar, and of control and test solutions, update the test procedure for nutrient broth No. 2 (double strength), change reference to loop conditioning from a recommendation in a NOTE to a requirement and renumber subclauses accordingly, and change the incubation time from 48 h to 36 h. |
| SANS 721:2014 (Ed. 1.1) | <i>Polypropylene (PP) pipes and pipe fittings for soil, waste and vent applications for above-ground use. Consolidated edition incorporating amendment No. 1.</i> Amended to update requirements for melt mass-flow rate (MFR) and temperature cycling test, and to update referenced standards |
| SANS 1284:2014 (Ed. 1.5) | <i>Bow-saw frames and blades. Consolidated edition incorporating amendment No. 5.</i> Amended to change a requirement for blades. |
| SANS 1533:2014 (Ed. 1.5) | <i>Padlocks. Consolidated edition incorporating amendment No. 5.</i> Amended to update referenced standards. |
| SANS 3534-3:2014 (SANS 3534-3:2013) | <i>Statistics - Vocabulary and symbols Part 3: Design of experiments.</i> Defines the terms used in the field of design of experiments and may be used in the drafting of other International Standards. Also defines terms used in the field of design of experiments for which the response variable is one-dimensional and continuous and for which the expectation of the response variable is linear in the parameters. Terms with regard to the statistical analysis are based on the assumption that the error term follows a normal distribution with constant variance. |
| SANS 5844:2014 (E.d. 2.2) | <i>Particle and relative densities of aggregates. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards. |
| SANS 6172:2014 (E.d. 1.3) | <i>Fire extinguishers - Assessment of fire rating. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards. |
| SANS 15415:2014 (SANS 15415:2011) | <i>Information technology - Automatic identification and data capture techniques - Bar code symbol print quality test specification - Two-dimensional symbols.</i> Specifies two methodologies for the measurement of specific attributes of two-dimensional bar code symbols, one of these being applicable to multi-row bar code symbologies and the other to two-dimensional matrix symbologies. Defines methods for evaluating and grading these measurements and deriving an overall assessment of symbol quality. Gives information on possible causes of deviation from optimum grades to assist users in taking appropriate corrective action. |

| Standard No. and year | Title, scope and purport |
|--|--|
| SANS 15420:2014 (SANS 15420:2009) | <i>Information technology - Automatic identification and data capture techniques - EAN/UPC bar code symbology specification.</i> Specifies the requirements for the bar code symbology known as EAN/UPC, specifies EAN/UPC symbology characteristics, data character encodation, dimensions, tolerances, decoding algorithms and parameters to be defined by applications. Specifies the Symbology Identifier prefix strings for EAN/UPC symbols. |
| SANS 15423:2014 (SANS 15423:2009) | <i>Information technology - Automatic identification and data capture techniques - Bar code scanner and decoder performance testing.</i> Defines the test equipment and procedures to be used to determine the performance of bar code scanning and decoding equipment. Deals with bar code scanning and decoding equipment both as integrated reading systems and as discrete units. Defines performance of the equipment in a particular configuration (for example a specific model) irrespective of the individual components used. Also defines operational parameters for the test equipment and describes a means of classifying scanners. |
| SANS 15963:2014 (SANS 15963:2009) | <i>Information technology - Radio frequency identification for item management - Unique identification for RF tags.</i> Describes numbering systems that are available for the identification of RF tags. |
| SANS 24730-2:2014/ (SANS 24730-2:2012) | <i>Information technology - Real-time locating systems (RTLS) Part 2: Direct Sequence Spread Spectrum (DSSS) 2,4 GHz air interface protocol.</i> Defines a networked location system that provides X-Y coordinates and data telemetry. Describes the system that utilizes real-time locating systems (RTLS) transmitters, which autonomously generate a direct sequence spread spectrum radio frequency beacon. Describes devices that can be field programmable and support an optional exciter mode, which allows modification of the rate of location update and location of the RTLS device. |
| SANS 51423:2014 (SANS 51423:1997) | <i>Road marking materials - Drop on materials - Glass beads, antiskid aggregates and mixtures of the two.</i> Specifies the requirements applicable to glass beads, anti-skid aggregates, and the mixture of the two, which are applied as drop-on materials on road markings products. Does not cover glass beads and/or anti-skid aggregates, or their mixture, applied during the process of manufacturing other road marking products. |
| SANS 60317-0-1:2014 (SANS 60317-0-1:2013) | <i>Specifications for particular types of winding wires Part 0-1: General requirements - Enamelled round copper wire.</i> Specifies general requirements of enamelled round copper winding wires with or without bonding layer. The range of nominal conductor diameters is given in the relevant specification sheet. |
| SANS 60974-11:2014 (SANS 60974-11:2005) | <i>Arc welding equipment Part 11: Electrode holders.</i> Applicable to electrode holders for manual metal arc welding with electrodes up to 10 mm in diameter. This standard is not applicable to electrode holders for underwater welding. This part of IEC 60974 specifies safety and performance requirements of electrode holders. |
| SANS 61347-2-1:2014 (E.d. 1.2) | <i>Lamp controlgear Part 2-1: Particular requirements for starting devices (other than glow starters). Consolidated edition incorporating amendment No. 1.</i> Amend to change the normative references, definitions, marking quality requirements and tests. |
| SANS 61770:2014 (SANS 61770:2009) | <i>Electric appliances connected to the water mains - Avoidance of backsiphonage and failure of hose-sets.</i> Deals with the requirements for the connection of washing machines, dishwashers and condensation type tumble dryers to the water mains having a water pressure not exceeding 1 MPa for prevention of backsiphonage of non-potable water into the water mains and flooding due to failure of hose-sets. |
| SANS 300086-2:2014 (SANS 300086-2:2010) | <i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment with an internal or external RF connector intended primarily for analogue speech Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive.</i> Covers the technical requirements for radio transmitters and receivers used in stations in the Private Mobile Radio (PMR) service. It also applies to land mobile services operating on radio frequencies between 30 MHz to 1 GHz (Transmit 30 MHz to 1000 MHz and Receive 30 MHz to 1 000 MHz) with channel separation of 12,5 kHz, 20 kHz and 25 kHz, primarily intended for analogue speech. It also covers all radio and telecommunication terminal equipment within the scope of the R&TTE Directive. |
| SANS 300113-2:2014 (SANS 300086-2:2010) | <i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Land mobile service; Radio equipment intended for the transmission of data (and/or speech) using constant or non-constant envelope modulation and having an antenna connector; Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive.</i> Applies to use in the land mobile service, operating on radio frequencies in all or in any part of the frequencies (Transmit 30 MHz to 1000 MHz and Receive 30 MHz to 1000 MHz), with channel separations of 12,5 kHz, 20 kHz and 25 kHz, intended for speech and/or data. |
| SANS 301489-3:2014 (SANS 301489-3:2013) | <i>Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz.</i> Specifies the applicable test conditions, performance assessment and performance criteria for Short Range Devices (SRD) and the associated ancillary equipment. |
| SANS 301908-7:2014 (SANS 301908-7:2007) | <i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks Part 7: Harmonized EN for IMT-2000, CDMA TDD (UTRA TDD) (BS) covering essential requirements of article 3.2 of the R&TTE Directive.</i> Covers requirements for wide area base stations and local area base stations. Also covers the provisions of Directive 1999/5/EC [i.2] (R&TTE Directive) article 3.2, which states that radio equipment shall be so constructed that it effectively uses the spectrum allocated to terrestrial/space radio communications and orbital resources so as to avoid harmful interference. |
| SANS 301908-11:2014 (SANS 301908-11:2007) | <i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks; Part 11: Harmonized EN for IMT-2000, CDMA Direct Spread (UTRA FDD) (Repeaters) covering essential requirements of article 3.2 of the R&TTE Directive.</i> Applies to repeater type equipment for IMT-2000 CDMA Direct Spread (UTRA FDD). It also covers provisions of Directive 1999/5/EC [i.6] (R&TTE Directive), article 3.2. |

SCHEDULE 3: CANCELLATION OF STANDARDS

In terms of section 16(3) of the Act the following standards have been cancelled.

| Standard No. and year | Title |
|------------------------------|--|
| SANS 309:2004 (E.d. 3.3) | <i>Anionic bitumen road emulsions.</i> |
| SANS 548:2003 (E.d. 1.7) | <i>Cationic bitumen road emulsions.</i> |
| SANS 1260:2004 (E.d. 1.7) | <i>Invert bitumen emulsion.</i> |
| SANS 1383:2008 (E.d. 1.1) | <i>Rigid urethane and isocyanurate foams for use in thermal insulation.</i> |
| SANS 1530-1:1991 | <i>Prefabricated panels for thermal insulation Part 1: Panels with two impervious facing sheets.</i> |

SCHEDULE 4: ADDRESSES OF SABS OFFICES

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

1. The CEO, South African Bureau of Standards, 1 Dr Lategan Road, Groenkloof, Private Bag X191, Pretoria 0001.
2. The Manager, Western Cape Regional Office, SABS, Liesbeek Park Way, Rosebank, PO Box 615, Rondebosch 7701.
3. The Manager, Eastern Cape Regional Office, SABS, 30 Kipling Road, cor. Diaz and Kipling Roads, Port Elizabeth, PO Box 3013, North End 6056.
4. The Manager, KwaZulu-Natal Regional Office, SABS, 15 Garth Road, Waterval Park, Durban, PO Box 30087, Mayville 4058.
5. The Control Officer, Bloemfontein Branch Office, SABS, 34 Victoria Road, Willows, Bloemfontein, PO Box 20265, Willows 9320.