

DEPARTMENT OF TRADE AND INDUSTRY

NOTICE 647 OF 2016

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.

SCHEDULE 1: ISSUE OF 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 |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ARP 1048:2016 | <i>Wildlife rehabilitation – General considerations.</i> Establishes professional standards for wildlife rehabilitation to encourage the development of improved wildlife rehabilitation programs, and to improve care for all wild animals in rehabilitation. |
| SANS 3001-AG 11:2016/ EN 1097-8:2009 | <i>Civil engineering test methods – Part AG11: Tests for mechanical and physical properties of aggregates – Determination of the polished stone value.</i> Describes the reference method used for type testing and in cases of dispute for determining the polished stone value of a coarse aggregate used in road surfacings. |
| SANS 14785:2016/ ISO 14785:2014 | <i>Tourist information offices – Tourist information and reception services – Requirements.</i> Establishes minimum quality requirements for services provided by tourist information offices (TIO) of any type and size, whether publicly or privately operated, in order to satisfy visitors' expectations. |
| SANS 15962:2016/ ISO/IEC 15962:2013 | <i>Information technology – Radio frequency identification (RFID) for item management – Data protocol: data encoding rules and logical memory functions.</i> Deals with the processing of data and its presentation to the RF tag, and the initial processing of data captured from the RF tag. Focuses on encoding the transfer syntax, as defined in ISO/IEC 15961 according to the application commands also defined in ISO/IEC 15961 (published in South Africa as an identical adoption under the designation SANS 15961). |
| SANS 16336:2016/ ISO 16336:2014 | <i>Applications of statistical and related methods to new technology and product development process – Robust parameter design (RPD).</i> Gives guidelines for applying the optimization method of robust parameter design to achieve robust products. |
| SANS 19136-2:2016/ ISO 19136-2:2015 | <i>Geographic information – Geography Markup Language (GML) – Part 2: Extended schemas and encoding rules.</i> Defines the XML Schema syntax, mechanisms and conventions used in the Geography Markup Language (GML). |
| SANS 19147:2016/ ISO 19147:2015 | <i>Geographic information – Transfer Nodes.</i> Specifies the data types and code lists associated with those types for the implementation of transfer nodes and their services in transport modelling and location based services. |
| SANS 19150-2:2016/ ISO 19150-2:2015 | <i>Geographic information – Ontology – Part 2: Rules for developing ontologies in the Web Ontology Language (OWL).</i> Defines rules and guidelines for the development of ontologies to support better the interoperability of geographic information over the Semantic Web. |
| SANS 19162:2016/ ISO 19162:2015 | <i>Geographic information – Well-known text representation of coordinate reference systems.</i> Defines the structure and content of a text string implementation of the abstract model for coordinate reference systems described in ISO 19111:2007 (published in South Africa as an identical adoption under the designation SANS 19111:2009) and ISO 19111-2:2010 (published in South Africa as an identical adoption under the designation SANS 19111-2:2009). |
| SANS 24611:2016/ ISO 24611:2012 | <i>Language resource management – Morpho-syntactic annotation framework (MAF).</i> Provides a framework for the representation of annotations of word-forms in texts, such annotations concern tokens, their relationship with lexical units and their morpho-syntactic properties. |
| SANS 24617-1:2016/ ISO 24617-1:2012 | <i>Language resource management – Semantic annotation framework (SemAF) – Part 1: Time and events (SemAF-Time, ISO-TimeML).</i> Specifies a formalized XML-based markup language called ISO-TimeML, with a systematic way to extract and represent temporal information, and to facilitate the exchange of temporal information, both between operational language processing systems and between different temporal representation schemes. |
| SANS 60704-2-4:2016/ IEC 60704-2-4:2011 | <i>Household and similar electrical appliances – Test code for the determination of air airborne acoustical noise – Part 2-4: Particular requirements for washing machines and spin extractors.</i> Applies to single unit electrical washing machines and the washing and spinning function of combined appliances and spin extractors for household and similar use. |
| SANS 61511-3:2016/ IEC 61511-3:2003 | <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, a number of different methods that enable the safety integrity levels for the safety instrumented functions to be determined. |
| SANS 62054-11:2016/ IEC 62054-11:2004 | <i>Electricity metering (a.c.) – Tariff and load control – Part 11: Particular requirements for electronic ripple control receivers.</i> Specifies particular requirements for the type test of newly manufactured indoor electronic ripple control receivers for the reception and interpretation of pulses of a single audio frequency superimposed on the voltage of the electricity distribution network and for the execution of the corresponding switching operations. |

| Standard No. and year | Title, scope and purport |
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| SANS 62056-1-0:2016/ IEC 62056-1-0:2014 | <i>Electricity metering data exchange – The DLMS/COSEM suite – Part 1-0: Smart metering standardisation framework.</i> Provides information on the smart metering use cases and on architectures supported by the IEC 62056 DLMS/COSEM series of standards specifying electricity meter data exchange. Provides guidance for selecting the suitable standards for a specific interface within the smart metering system, and selecting the suitable standards for a specific interface within the smart metering system. |
| SANS 62231-1:2016/ IEC 62231-1:2015 | <i>Composite station post insulators for substations with AC voltages greater than 1 000 V up to 245 kV – Part 1: Dimensional, mechanical and electrical characteristics.</i> Is applicable to composite station post insulators for substations with a.c. voltages greater than 1 000 V up to 245 kV. Applies to composite station post insulators of similar design used in power stations of railway systems. |
| SANS 62271-37-013:2016/ IEC/IEEE 62271-37-013:2015 | <i>High-voltage switchgear and controlgear – Part 37-013: Alternating-current generator circuit-breakers.</i> Applicable to three-phase a.c. high-voltage generator circuit-breakers designed for indoor or outdoor installation and for operation at frequencies of 50 Hz and 60 Hz on systems having voltages above 1 kV and up to 38 kV. |
| SANS 62841-2-4:2016/ IEC 62841-2-4:2014 | <i>Electric motor-operated hand- held tools, transportable tools and lawn and garden machinery – Safety – Part 2-4: Particular requirements for hand-held sanders and polishers other than disc type.</i> Applies to hand-held sanders and polishers with the exception of disc-type tools covered by IEC 62841-2-3. |
| SANS 62841-3-1:2016/ IEC 62841-3-1:2014 | <i>Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-1: Particular requirements for transportable table saws.</i> Applies to transportable table saws with a toothed single blade, stacked blades that cut a single groove or slot, or a moulding head cutter intended for cutting wood and analogous materials, plastics and nonferrous metals, except magnesium, with a saw blade diameter between 105 mm and 315 mm. |
| SANS 62841-3-6:2016/ IEC 62841-3-6:2014 | <i>Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-6: Particular requirements for transportable diamond drills with liquid system.</i> Applies to transportable diamond drills, intended to be connected to a liquid system, which may include liquid from a pipe or container, with a rated voltage of not more than 250 V for single-phase a.c. or d.c. tools and 480 V for three-phase a.c. tools, and a rated input of not more than 3 700 W.. |
| SANS 82079-1:2016/ IEC 82079-1:2012 | <i>Preparation of instructions for use – Structuring, content and presentation – Part 1: General principles and detailed requirements.</i> Provides general principles and detailed requirements for the design and formulation of all types of instructions for use that will be necessary or helpful for users of products of all kinds, ranging from a tin of paint to large or highly complex products, such as large industrial machinery, turnkey based plants or buildings. |
| SANS 300220-2:2016/ ETSI EN 300 220-2:2012 | <i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment to be used in the 25 MHz to 1 000 MHz frequency range with power levels ranging up to 500 mW.– Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive.</i> Applies to Short Range Devices radio equipment types operating in the frequency bands within 25 MHz to 1 000 MHz range. |
| SANS 300440-2:2016/ ETSI EN 300 440-2:2010 | <i>Electromagnetic compatibility and Radio spectrum Matters (ERM); Short range devices; Radio equipment to be used in the 1 GHz to 40 GHz frequency range – Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive.</i> Applies to Non-specific Short Range Devices, alarms, identification systems, radio-determination, telecommand, telemetry, Radio Frequency Identification (RFID) and Detection, movement and alert applications. |
| SANS 301908-13:2016/ ETSI EN 301 908-13:2013 | <i>IMT cellular networks; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive – Part 13: Evolved Universal Terrestrial Radio Access (E-UTRA) User Equipment (UE).</i> Applies to radio equipment type User Equipment for Evolved Universal Terrestrial Radio Access (E-UTRA). |
| SANS 301908-18:2016/ ETSI EN 301 908-18:2014 | <i>IMT cellular networks; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive – Part 18: E-UTRA, UTRA and GSM/EDGE Multi-Standard Radio (MSR) Base Station (BS).</i> Applies to Multi-Standard Radio capable Base stations (E-UTRA, UTRA, GSM/EDGE) radio equipment type. |
| SANS 301908-19:2016/ ETSI EN 301 908-19:2013 | <i>IMT cellular networks; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive – Part 19: OFDMA TDD WMAN (Mobile WiMAX) TDD User Equipment (UE).</i> Applies to User Equipment for IMT-2000 OFDMA TDD WMAN (Mobile WiMAX) operating in TDD mode. |
| SANS 301908-20:2016/ ETSI EN 301 908-20:2013 | <i>IMT cellular networks; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive – Part 20: OFDMA TDD WMAN (Mobile WiMAX) TDD Base Stations (BS).</i> Applies to base stations for IMT-2000 OFDMA TDD WMAN (Mobile WiMAX) radio equipment type operating in TDD mode. |
| SANS 301908-21:2016/ ETSI EN 301 908-21:2011 | <i>IMT cellular networks; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive – Part 21: OFDMA TDD WMAN (Mobile WiMAX) FDD User Equipment (UE).</i> Applies to the Mobile WiMAX FDD User Equipment for IMTOFDMA TDD WMAN radio equipment type. |
| SANS 301908-22:2016/ ETSI EN 301 908-22:2011 | <i>IMT cellular networks; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive – Part 22: OFDMA TDD WMAN (Mobile WiMAX) FDD Base Stations (BS).</i> Applies to the Mobile WiMAX FDD Base Stations for IMTOFDMA TDD WMAN radio equipment type. |
| SANS 302502:2016/ ETSI EN 302 502:2008 | <i>Broadband Radio Access Networks (BRAN); 5,8 GHz fixed broadband data transmitting systems; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive.</i> Applicable to radio equipment for Fixed Broadband Data Transmitting Systems intended to operate in the 5,8 GHz band (5 725 MHz to 5 875 MHz). |
| SATR 38502:2016/ ISO/IEC TR 38502:2014 | <i>Information technology – Governance of IT – Framework and model.</i> Provides guidance on the nature and mechanisms of governance and management of IT together with the relationships between them within an organization. |

| Standard No. and year | Title, scope and purport |
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| SATS 17027:2016/ ISO/IEC TS 17027:2014 | <i>Conformity assessment – Vocabulary related to competence of persons used for certification of persons.</i> Specifies terms and definitions related to the competence of persons used in the field of certification of persons, in order to establish a common vocabulary. Used also as applicable in other documents specifying competence of persons, such as regulations, standards, certification schemes, research, training, licensing and registration. |

SCHEDULE 2: AMENDMENT OF EXISTING 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 164-0:2016 (E.d 1.3) | <i>Plug and socket-outlet systems for household and similar purposes for use in South Africa – Part 0: General and safety requirements. Consolidated edition incorporating amendment No. 3.</i> Amended to update referenced standards and to change the clause on requirements. |
| SANS 289:2016 (E.d 1.6) | <i>Labelling requirements for prepackaged products (prepackages) and general requirements for the sale of goods subject to legal metrology control. Consolidated edition incorporating amendment No. 6.</i> Amended to delete reference to legislation, to update the clause on declared net quantity of the prepackages product, to update the table on expression of quantity and prescribed quantities (table E.1), and to update the notes in the annex on type size of letters and numerals for statements of net quantity on consumer packages. |
| SANS 421:2016 (E.d 5.2) | <i>The production of men's shoes (Goodyear welted with stitched or stuck-on outer soles). Consolidated amendment incorporating amendment No.2.</i> Amended to update normative references, to update requirements for laces, to delete the table on requirements for laces, and to update test procedures for laces. |
| SANS 876:2016/ NRS 012:2013 (E.d 2.1) | <i>Cable terminations and live conductors within air-filled enclosures (insulation co-ordination) for rated a.c. voltages from 7,2 kV up to and including 36 kV. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation "SANS 876/NRS 012" to read "SANS 876", to update the introduction, to update referenced standards, to update definitions, to change the requirements for clearances, to modify the requirements for design considerations for cable termination enclosures, and to update cable support requirements for cable termination enclosures. |
| SANS 942:2016 (E.d 2.5) | <i>Children's, youths', and maids' school shoes with direct injection-moulded soles and heels. Consolidated edition incorporating amendment No. 5.</i> Amended to change the requirements in the clauses on type and method of construction, materials and components, constructional requirements and inspection and methods of test, and to update referenced standards. |
| SANS 1116-2:2016 (E.d 5.1) | <i>Retro-reflective number plates for motor vehicles – Part 2: Number plates (aluminium). Consolidated edition incorporating amendment No. 1.</i> Amended to update requirements for graphics. |
| SANS 1162:2016 (E.d 1.1) | <i>Responsible tourism – Requirements. Consolidated edition incorporating amendment No. 1.</i> Amended to remove the word "living" (in 5.3.6) and the word "any" (in 5.4.8), and to update the bibliography. |
| SANS 1489-1:2016 (E.d 1.2) | <i>Electrical connectors in group I and group II hazardous areas – Part 1: General requirements for group I hazardous areas. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards and to delete a footnote. |
| SANS 10005:2016 (E.d 8) | <i>The preservative treatment of timber.</i> Covers the classification of timber preservatives, hazard conditions for timber, the solvents used for timber preservatives, the preparation of timber for treatment, the various treatment processes and the use of preservative-treated timber in specific areas in South Africa. Does not cover the treatment of timber with fire retardants. |
| SANS 10222-3:2016/ (E.d 5) | <i>Electrical security installations – Part 3: Electric fences (non-lethal) and manufacture requirements.</i> Gives additional instructions for the manufacturing, installation and connection of electric fences to those given in IEC 60335-2-76 (published in South Africa as an identical adoption under the designation SANS 60335-2-76). |
| SANS 10284:2016/ ISO 284:2012 (E.d 4) | <i>Conveyor belts – Electrical conductivity – Specification and test method. Consolidated edition incorporating amendment No. 2.</i> Specifies the maximum electrical resistance of a conveyor belt and the corresponding method. |
| SANS 10400-A:2016 (E.d 3.1) | <i>The application of the National Building Regulations – Part A: General principles and requirements. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards and the annex on forms that is referenced in the National Building Regulations to include energy usage in buildings. |
| SANS 16422:2016/ ISO 16422:2006 (E.d 2) | <i>Pipes and joints made of oriented unplasticized poly(vinyl chloride) (PVC-O) for the conveyance of water under pressure – Specifications.</i> Specifies the requirements of pipes and joints made of oriented unplasticized poly (vinyl chloride) (PVC-O), for piping systems intended to be used underground or above-ground where not exposed to direct sunlight, for water mains and services, pressurized sewer systems and irrigation systems. |
| SANS 60034-25:2016/ IEC TS 60034-25:2014 (E.d 3) | <i>Rotating electrical machines – Part 25: AC electrical machines used in power drive systems – Application guide.</i> Describes the performance characteristics of a.c. electrical machines for use on converter supplies. |
| SANS 60079-5:2016/ IEC 60079-5:2014 (E.d 4) | <i>Explosive atmospheres – Part 5: Equipment protection by powder filling "q".</i> Contains specific requirements for the construction, testing and marking of electrical equipment, parts of electrical equipment and Ex components in the type of protection powder filling "q", intended for use in explosive gas atmospheres. |

| Standard No. and year | Title, scope and purport |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SANS 60086-1:2016/ IEC 60086-1:2015 (E.d 6) | <i>Primary batteries – Part 1: General.</i> Intended to standardize primary batteries with respect to dimensions, nomenclature, terminal configurations, markings, test methods, typical performance, safety and environmental aspects. |
| SANS 60086-2:2016/ IEC 60086-2:2015 (E.d 7) | <i>Primary batteries – Part 2: Physical and electrical specifications.</i> Applies to primary batteries based on standardized electrochemical systems. Specifies the physical dimensions, and the discharge test conditions and discharge performance requirements. |
| SANS 60320-1:2016/ IEC 60320-1:2015 (E.d 4) | <i>Appliance couplers for household and similar general purposes – Part 1: General requirements.</i> Specifies general requirements for appliance couplers for two poles and two poles with earth contact and for the connection of electrical devices for household and similar onto the mains supply. |
| SANS 61643-22:2016/ IEC 61643-22:2015 (E.d 2) | <i>Low-voltage surge protective devices – Part 22: Surge protective devices connected to telecommunications and signalling networks - Selection and application principles.</i> Describes the principles for the selection, operation, location and coordination of SPDs connected to telecommunication and signalling networks with nominal system voltages up to 1 000 V r.m.s. a.c. and 1 500 V d.c. Addresses SPDs that incorporate protection for signalling lines and power lines in the same enclosure. |
| SANS 62271-3:2016/ IEC 62271-3:2015 (E.d 2) | <i>High-voltage switchgear and controlgear – Part 3: Digital interfaces based on IEC 61850.</i> Applies to high-voltage switchgear and controlgear for all rated voltage levels above 1 kV and assemblies thereof. Specifies equipment for digital communication with other parts of the power utility automation and its impact on testing. |

SCHEDULE 3: WITHDRAWAL OF STANDARDS

In terms of section 24(1)(C) of the Standards Act, the following standards have been withdrawn.

| Standard No. and year | Title |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ARP 0108:2014 | <i>Regulatory requirements for explosion-protected apparatus.</i> |
| SANS 1271:1999 | <i>Mepivacaine hydrochloride injection for dental use.</i> |
| SANS 1337:1982 | <i>Dental zinc oxide-eugenol impression paste.</i> |
| SANS 6262:1995/ ISO 8243:1991 | <i>Cigarettes – Sampling.</i> |
| SANS 19115:2003/ ISO 19115:2003 | <i>Geographic information – Metadata.</i> |
| SANS 60320-1:2008/ IEC 60320-1:2004 | <i>Appliance couplers for household and similar general purposes Part 1: General requirements.</i> |
| SANS 61643-22:2005/ IEC 61643-22:2007 | <i>Low-voltage surge protective devices Part 22: Surge protective devices connected to telecommunications and signalling networks - Selection and application principles</i> |
| SANS 62271-3:2007/ IEC 62271-3:2006 | <i>High-voltage switchgear and controlgear Part 3: Digital interfaces based on IEC 61850.</i> |

SCHEDULE 4: ESTABLISHMENT OR DISBANDMENT OF TECHNICAL COMMITTEES

In terms of section 4(2) (l) the SABS has established the following technical committees:

| Technical Committee No.: | Title | Scope |
|--------------------------|-------|-------|
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If your organization is interested in participating in these committees, please send an e-mail to rose.masha@sabs.co.za for more information.

SCHEDULE 5: WITHDRAWAL OF INFORMATIVE AND NORMATIVE DOCUMENTS

In terms of section 24(5) of the Standards Act, the following documents have being considered withdrawn.

NONE

SCHEDULE 6: 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. 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.
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