# DEPARTMENT OF TRADE AND INDUSTRY

## No. 527

# 24 June 2011

#### STANDARDS ACT, 2008 STANDARDS MATTERS

In terms of the Standards Act, 2008 (Act No. 8 of 2008), the Council of the South African Bureau of Standards has acted in regard to standards in the manner set out in the Schedules to this notice.

All South African standards that were previously published by the South African Bureau of Standards with the prefix "SABS" have been redesignated as South African national standards and are now published by Standards South Africa (a division of SABS) with the prefix "SANS".

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
SANS 14399-1:2011/ EN 14399-1:2005	High-strength structural bolting assemblies for preloading – Part 1: General requirements. Specifies the general requirements for the components of bolt/nut/washer(s) assemblies for high-strength structural bolting, which are suitable for preloading, and for the assemblies themselves.
SANS 14399-2:2011/ EN 14399-2:2005	High-strength structural bolting assemblies for preloading – Part 2: Suitability test for preloading. Specifies a tightening test to verify the suitability of high strength bolt/nut/washer assemblies for preloaded bolted connection in metallic structures.
SANS 14399-3:2011/ EN 14399-3:2005	High-strength structural bolting assemblies for preloading – Part 3: System $HR$ – Hexagon bolt and nut assemblies. Specifies, together with SANS 14399-1, the requirements for assemblies of high-strength structural bolts and nuts of system HR suitable for preloaded joints with large widths across flats, thread sizes M12 to M36 and property classes 8.8/8 and 10.9/10.
SANS 14399-4:2011/ EN 14399-4:2005	High-strength structural bolting assemblies for preloading – Part 4: System $HV$ – Hexagon bolt and nut assemblies. Specifies, together with SANS 14399-1 the requirements for assemblies of high-strength structural bolts and nuts of system $HV$ suitable for preloaded joints with large widths across flats, thread sizes M 12 to M 36 and property classes 10.9/10.
SANS 14399-5:2011/ EN 14399-5:2005	High-strength structural bolting assemblies for preloading – Part 5: Plain washers. Specifies, together with SANS 14399-1, hardened and tempered plain washers intended for assembly with large series hexagon high-strength structural bolts and nuts with threads from M12 to M36 inclusive. Washers according to this standard can be applied under the nut only.
SANS 14399-6:2011/ EN 14399-6:2005	High-strength structural bolting assemblies for preloading – Par t6: Plain chamfered washers. Specifies, together with SANS 14399-1, hardened and tempered plain washers with chamfer intended for assembly with large series hexagon high-strength structural bolts and nuts with thread sizes from M12 to M36 inclusive.
SANS 14399-7:2011/ EN 14399-7:2007	High-strength structural bolting assemblies for preloading – Part 7: System $HR$ – Countersunk head bolt and nut assemblies. Specifies general requirements; testing for conformity evaluation; evaluation of conformity; regulatory marking; for assemblies of high-strength structural countersunk bolts and nuts of system HR suitable for preloaded joints with thread sizes M12 to M36 and bolt property classes 8.8 and 10.9 and SANS 14399-2 for suitability testing.
SANS 14399-8:2011/ EN 14399-8:2007	High-strength structural bolting assemblies for preloading – Part 8: System $HV$ – Hexagon fit bolt and nut assemblies. Specifies general requirements; testing for conformity evaluation; evaluation of conformity; regulatory marking; for assemblies of high-strength structural fit bolts and nuts of system HV suitable for preloaded joints with, thread sizes M12 to M36 and bolt property class 10.9.
SANS 14399-9:2011/ EN 14399-9:2009	High-strength structural bolting assemblies for preloading – Part 9: System HR or HV – Direct tension indicators for bolt and nut assemblies. Specifies the requirements for assemblies of high-strength structural bolts and nuts, with large width across flats, of system HR or HV, including the requirements for the general dimensions, tolerances, materials and performance for two grades, H8 and H10, of compressible washer-type direct tension indicators, nut face washers and bolt face washers suitable for preloaded joints.
SANS 14399-10:2011/ EN 14399-10:2009	High-strength structural bolting assemblies for preloading – Part 10: Bolt and nut assemblies with calibrated preloa. Specifies, together with SANS 14399-1, the requirements for assemblies of high-strength structural bolts and nuts of system HRC suitable for preloaded joints, with hexagon head (large widths across flats) or cup head, thread sizes M12 to M30 and property class 10.9/10.
SANS OHSAS 18001:2011/ BS OHSAS 18001:2007	Occupational health and safety management systems – Requirements. Specifies requirements for an occupational health and safety (OH&S) management system, to enable an organization to control its OH&S risks and improve its OH&S performance. Does not state specific OH&S performance criteria. Does not give detailed specifications for the design of a management system.

Standard No. and year	Title, scope and purport
SANS OHSAS 18002:2011/ BS OHSAS 18002:2008	Occupational health and safety management systems – Guidelines for the implementation of OHSAS 18001:2007. Provides generic advice on the application of OHSAS 18001:2007 (published in South Africa as an identical adoption under the designation SANS OHSAS 18001). Explains the underlying principles of OHSAS 18001 and describes the intent, typical inputs, processes and typical outputs, in accordance with each requirement of OHSAS 18001.
SANS 60317-28:2011/ IEC 60317-28:1990	Specifications for particular types of winding wires – Part 28: Polyesterimide enamelled rectangular copper wire, class 180. Specifies the requirements of enamelled rectangular copper winding wire of class 180 with a sole coating based on polyesterimide resin, which may be modified provided that it retains the chemical identity of the original resin and meets all specified wire requirements.
SANS 61400-14:2011/ IEC/TS 61400-14:2005	Wind turbines – Part 14: Declaration of apparent sound power level and tonality values. Determines the declared noise emission values from a sample of turbines of the same type. The declaration will increase the reliability of wind farm planning and facilitate the comparison of apparent sound power levels and tonality values of different types of wind turbines.
SANS 61400-25-1:2011/ IEC 61400-25-1:2006	Wind turbines – Part 25-1: Communications for monitoring and control of wind power plants – Overall description of principles and models. Offers an introductory orientation, crucial requirements, and a modelling guide. It also gives an overall description of the principles and models used in the IEC 61400-25 series of standards which defines how to model the information, information exchange and mapping to specific communication protocols.
SANS 61400-25-2:2011/ IEC 610400-25-2:2006	Wind turbines – Part 25-2: Communications for monitoring and control of wind power plants – Information models. Specifies the information model of devices and functions related to wind power plant applications. In particular, it specifies the compatible logical node names, and data names for communication between wind power plant components. This includes the relationship between logical devices, logical nodes and data. The names defined in the IEC 61400-25 series are used to build the hierarchical object references applied for communicating with components in wind power plants. It also specifies common attribute types and common data classes related to wind turbine applications.
SANS 61400-25-3:2011/ IEC 61400-25-3:2006	Wind turbines – Part 25-3: Communications for monitoring and control of wind power plants – Information exchange models. Defines services of the model of the information exchange of intelligent electronic devices in wind power plants. The services are referred to as the Abstract Communication Service Interface (ACSI). The ACSI has been defined so as to be independent of the underlying communication systems. The information exchange model is defined in terms of, a hierarchical class model of all information that can be accessed, information exchange services that operate on these classes and parameters associated with each information exchange service.
SANS 61400-25-5:2011/ IEC 61400-25-5:2006	Wind turbines – Part 25-5: Communications for monitoring and control of wind power plants – Conformance testing. Specifies standard techniques for testing of conformance of implementations, as well as specific measurement techniques to be applied when declaring performance parameters. The use of these techniques will enhance the ability of users to purchase systems that integrate easily, operate correctly, and support the applications as intended.
SANS 61400-25-6:2011/ IEC 61400-25-6:2010	Wind turbines – Part 25-6: Communications for monitoring and control of wind power plants – Logical node classes and data classes for condition monitoring. Specifies the information models related to condition monitoring for wind power plants and the information exchange of data values related to these models it also defines an information model for condition monitoring information and how to use the existing definitions of IEC 61400-25-2 and to define the required extensions in order to describe and exchange information related to condition monitoring of wind turbines. The models of condition monitoring information defined in this standard may represent information provided by sensors or by calculation.

## 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
SANS 213:2011/ CISPR 13:2009 (SABS CISPR 13:2006)	Sound and television broadcast receivers and associated equipment – Radio disturbance characteristics – Limits and methods of measurement. Applies to the generation of electromagnetic energy from sound and television receivers for the reception of broadcast and similar transmissions and from associated equipment. Specifies limits for the control of disturbance from such equipment. The frequency range covered extends from 9 kHz to 400 GHz.
SANS 216-1-4:2010/ CISPR 16-1-4:2010	Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-4: Radio disturbance and immunity measuring apparatus – Antennas and test sites for radiated disturbance measurements. CISPR corrigendum No. 1. Corrected to replace an existing equation (B.2) under B.1.2 "Monopole (rod) antenna performance equations", by a new equation.
SANS 664-1:2011 (Ed. 1.1)	Wedge gate and resilient seal valves for waterworks - Part 1: General. Consolidated edition incorporating amendment No 1. Amended to update referenced standards, and to update tables and figures.
SANS 5182:2011/ ISO 5182:2008 (SABS ISO 5182:2008)	Resistance welding - Materials for electrodes and ancillary equipment. Specifies the characteristics of materials for resistance welding electrodes and ancillary equipment which are used for carrying current and transmitting force to the work.
SANS 9539:2011/ ISO 9539:2010 (SABS ISO 9539:1988)	Gas welding equipment – Materials for equipment used in gas welding, cutting and allied processes. Specifies the general and special requirements for materials used for the construction of equipment used in gas welding, cutting and allied processes. It does not deal with materials used for the construction of welding hoses.

Standard No. and year	Title, scope and purport
SANS 13485:2204/ ISO 13485:2003	Medical devices – Quality management systems – Requirements for regulatory purposes. ISO corrigendum No. 1. Corrected to replace ISO 9001 with ISO 9001:2000 throughout the text, and to replace ISO 13641:2002 with EN 13641:2002 in the bibliography.
SANS 14399-5:2011/ EN 14399-5:2005	High-strength structural bolting assemblies for preloading – Part 5: Plain washers. EN corrigendum No. 1. Corrected to replace "manufacturer's identification mark" by "identification mark of the manufacturer of the assembly".
SANS 14399-6:2011/ EN 14399-6:2005	High-strength structural bolting assemblies for preloading – Part 6: Plain chamfered washers. EN corrigendum No. 1. Corrected to replace "manufacturer's trade (identification) mark" by "identification mark of the manufacturer of the assembly".
SANS 60317-18:2011/ IEC 60317-18:2010 (Ed. 3.1)	Specifications for particular types of winding wires – Part 18: Polyvinyl acetal enamelled rectangular copper wire, class 120. Consolidated edition incorporating amendment No. 1. Amended to update a referenced standard and to change the test requirements for resistance to transformer oil.
SANS 60317-28:2011/ IEC 60217-28:1990	Specifications for particular types of winding wires – Part 28: Polyesterimide enamelled rectangular copper wire, class 180. IEC amendment No. 1. Amended to delete the clause on high temperature failure. IEC amendment No. 2. Amended to add information to the introduction, to refer to appearance and a pin hole test, to delete a clause on loss of mass, to change requirements for resistance to transformer oil, and to do editorial changes.

## 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 10333-2:2006	Industrial rope access - Part 2; Training and certification procedures.

#### 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.