

DEPARTMENT OF TRADE AND INDUSTRY

No. 167

5 March 2010

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 95-1:2009/ EN 840-1:2004	<i>Mobile waste containers – Part 1: Containers with 2 wheels with a capacity up to 400 l for comb lifting devices, dimensions and design.</i> Specifies dimensions and design requirements of mobile waste containers with 2 wheels, with capacity up to 400 l to be used by comb lifting devices.
SANS 95-2:2009/ EN 840-2:2004	<i>Mobile waste containers – Part 2: Containers with 4 wheels with a capacity up to 1 300 l with flat lid(s), for trunnion and/or comb lifting devices – Dimensions and design.</i> Specifies dimensions and design requirements of mobile waste containers with 4 wheels, with flat lid(s) and capacity up to 1 300 l to be used by trunnion and/or comb lifting devices.
SANS 95-3:2009/ EN 840-3:2004	<i>Mobile waste containers – Part 3: Containers with 4 wheels with a capacity up to 1 300 l with dome lid(s), for trunnion and/or comb lifting devices – Dimensions and design.</i> Specifies dimensions and requirements of mobile waste containers with 4 wheels, with dome lid(s) and capacity up to 1 300 l to be used by trunnion and/or comb lifting devices.
SANS 95-4:2009/ EN 840-4:2004	<i>Mobile waste containers – Part 4: Containers with 4 wheels with capacity up to 1 700 l with flat lid(s), for wide trunnion or BGand/ or wide comb lifting devices – Dimensions and design.</i> Specifies dimensions and design requirements of mobile waste containers with 4 wheels, with flat lid(s) and capacity up to 1 700 l to be used by wide trunnion or BG-lifting device and/or wide comb lifting devices.
SANS 95-5:2009/ EN 840-5:2004	<i>Mobile waste containers – Part 5: Performance requirements and test methods.</i> Gives the test methods for mobile waste containers according to EN 840-1 to EN 840-4 (published in South Africa as an identical adoption under the designation SANS 95-1 to SANS 95-4). Gives the levels to be reached during tests after they have been done. Applies to mobile waste containers with capacities up to 1 700 l.
SANS 95-6:2009/ EN 840-6:2008	<i>Mobile waste containers – Part 6: Safety and health requirements.</i> Provides the essential safety, health and ergonomic requirements for mobile waste containers according to EN 840-1 to EN 840-4 (published in South Africa as an identical adoption under the designation SANS 95-1 to SANS 95-4), not including hazardous wastes containers. <i>EN amendment No. 1.</i> Amended to modify the requirements for handles.
SANS 448:2010	<i>Ethanol gel for cooking and other gel burning appliances.</i> Specifies the requirements for ethanol gel for cooking and for other gel burning appliances.
SANS 500:2009	<i>Inspection, examination and testing of manually operated chain blocks and chain lever hoists in use.</i> Specifies the requirements for the inspection, examination and testing of manually operated chain blocks and chain lever hoists in use.
SANS 558:2009 (Ed. 3.5)	<i>Cast iron surface boxes and manhole and inspection covers and frames. Consolidated edition incorporating amendment No. 5.</i> Amended to change the designation of SABS standards to SANS standards, and to update the definition of "acceptable".
SANS 904:2010/ ISO 4044:2008	<i>Leather – Chemical tests – Preparation of chemical test samples.</i> Specifies a method for the preparation of a test sample of leather for chemical analysis. It is applicable to all types of leather.
SANS 970:2010/ ISO 5397:1984	<i>Leather – Determination of nitrogen content and "hide substance" – Titrimetric method.</i> Specifies a titrimetric method for the determination of the nitrogen content and of the "hide substance" of leather.
SANS 984:2009/ IEEE 1584:2002	<i>IEEE Guide for Performing Arc-Flash Hazard Calculations.</i> Provides techniques for designers and facility operators to apply in determining the arc-flash hazard distance and the incident energy to which employees could be exposed during their work on or near electrical equipment.
SANS 1387-1:2009 (Ed. 2.1)	<i>Woven cotton and similar apparel fabrics – Part 1: Basic requirements. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards and to correct references in the table on fabric requirements of part 2.
SANS 1387-2:2009 (Ed. 2.1)	<i>Woven cotton and similar apparel fabrics – Part 2: Polyester-and-cotton workwear fabrics. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards and to correct references in the table on fabric requirements of part 2.
SANS 1387-3:2009 (Ed. 2.1)	<i>Woven cotton and similar apparel fabrics – Part 3: Polyester-and-viscose workwear fabrics. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards and to correct references in the table on fabric requirements of part 2.

Standard No. and year	Title, scope and purport
SANS 1387-4:2009 (Ed. 2.1)	<i>Woven cotton and similar apparel fabrics – Part 4: Cotton jean and drill fabrics. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards and to correct references in the table on fabric requirements of part 2.
SANS 1387-5:2009 (Ed. 2.1)	<i>Woven cotton and similar apparel fabrics – Part 5: Cotton flannelette fabrics. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards and to correct references in the table on fabric requirements of part 2.
SANS 1387-6:2009 (Ed. 2.1)	<i>Woven cotton and similar apparel fabrics – Part 6: Denim fabrics. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards and to correct references in the table on fabric requirements of part 2.
SANS 1387-7:2009 (Ed. 2.1)	<i>Woven cotton and similar apparel fabrics – Part 7: Jacket linings. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards and to correct references in the table on fabric requirements of part 2.
SANS 1387-8:2009 (Ed. 2.1)	<i>Woven cotton and similar apparel fabrics – Part 8: Cotton dress fabrics. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards and to correct references in the table on fabric requirements of part 2.
SANS 1387-9:2009 (Ed. 2.1)	<i>Woven cotton and similar apparel fabrics – Part 9: Polyester-and-cotton shirt fabrics. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards and to correct references in the table on fabric requirements of part 2.
SANS 1387-10:2009 (Ed. 2.1)	<i>Woven cotton and similar apparel fabrics – Part 10: Pocketing. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards and to correct references in the table on fabric requirements of part 2.
SANS 1387-11:2009 (Ed. 2.1)	<i>Woven cotton and similar apparel fabrics – Part 11: Polyester-and-cellulosic raincoat fabrics. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards and to correct references in the table on fabric requirements of part 2.
SANS 1444-1:2009 (Ed. 2.2)	<i>Schoolwear fabrics – Part 1: Basic requirements. Consolidated edition incorporating amendment No. 2.</i> Amended to update the colour fastness to rubbing requirements of parts 2 to 7 (inclusive), to allow for the use of single yarns in the weft of polyester-and-viscose fabrics specified in part 4, and to update referenced standards.
SANS 1444-2:2009 (Ed. 2.2)	<i>Schoolwear fabrics – Part 2: Blazer fabrics. Consolidated edition incorporating amendment No. 2.</i> Amended to update the colour fastness to rubbing requirements of parts 2 to 7 (inclusive), to allow for the use of single yarns in the weft of polyester-and-viscose fabrics specified in part 4, and to update referenced standards.
SANS 1444-3:2009 (Ed. 2.2)	<i>Schoolwear fabrics – Part 3: Polyester-and-wool fabrics. Consolidated edition incorporating amendment No. 2.</i> Amended to update the colour fastness to rubbing requirements of parts 2 to 7 (inclusive), to allow for the use of single yarns in the weft of polyester-and-viscose fabrics specified in part 4, and to update referenced standards.
SANS 1444-4:2009 (Ed. 2.2)	<i>Schoolwear fabrics – Part 4: Polyester-and-viscose fabrics. Consolidated edition incorporating amendment No. 2.</i> Amended to update the colour fastness to rubbing requirements of parts 2 to 7 (inclusive), to allow for the use of single yarns in the weft of polyester-and-viscose fabrics specified in part 4, and to update referenced standards.
SANS 1444-5:2009 (Ed. 2.2)	<i>Schoolwear fabrics – Part 5: Polyester-and-cotton fabrics. Consolidated edition incorporating amendment No. 2.</i> Amended to update the colour fastness to rubbing requirements of parts 2 to 7 (inclusive), to allow for the use of single yarns in the weft of polyester-and-viscose fabrics specified in part 4, and to update referenced standards.
SANS 1444-6:2009 (Ed. 2.2)	<i>Schoolwear fabrics – Part 6: Shirting and blouse fabrics. Consolidated edition incorporating amendment No. 2.</i> Amended to update the colour fastness to rubbing requirements of parts 2 to 7 (inclusive), to allow for the use of single yarns in the weft of polyester-and-viscose fabrics specified in part 4, and to update referenced standards.
SANS 1444-7:2009 (Ed. 2.2)	<i>Schoolwear fabrics – Part 7: Fabrics containing textured yarns. Consolidated edition incorporating amendment No. 2.</i> Amended to update the colour fastness to rubbing requirements of parts 2 to 7 (inclusive), to allow for the use of single yarns in the weft of polyester-and-viscose fabrics specified in part 4, and to update referenced standards.
SANS 1444-8:2009 (Ed. 2.2)	<i>Schoolwear fabrics – Part 8: Warp-knitted fabrics. Consolidated edition incorporating amendment No. 2.</i> Amended to update the colour fastness to rubbing requirements of parts 2 to 7 (inclusive), to allow for the use of single yarns in the weft of polyester-and-viscose fabrics specified in part 4, and to update referenced standards.
SANS 1783-1:2009 (Ed. 1.4)	<i>Sawn softwood timber – Part 1: General requirements. Consolidated edition incorporating amendment No. 3.</i> Amended to change the definitions for "bow", "machine skip", "regularizing" and "spring", to delete reference to the certification mark, and to modify the dimensions for width and thickness in the methods of test.
SANS 1783-2:2009 (Ed. 1.7)	<i>Sawn softwood timber – Part 2: Stress-graded structural timber and timber for frame wall construction. Consolidated edition incorporating amendment No. 7.</i> Amended to change the requirements for machining defects, and to add dimensions for edge knots in table 1.
SANS 2041:2009/ ISO 2041:2009	<i>Mechanical vibration, shock and condition monitoring – Vocabulary.</i> Defines terms and expressions unique to the areas of mechanical vibration, shock and condition monitoring.
SANS 2418:20009/ ISO 2418:2002	<i>Leather – Chemical, physical and mechanical and fastness tests – Sampling location.</i> Specifies the location of a laboratory sample within a piece of leather and the method of labelling and marking the laboratory samples for future identification. It is applicable to all types of leather derived from mammals irrespective of the tannage use. It is not applicable to leathers derived from bird, fish or reptile.
SANS 3380:2010/ ISO 3380:2002	<i>Leather – Physical and mechanical tests – Determination of shrinkage temperature up to 100 °C.</i> Specifies a method for determination of the shrinkage temperature of leather up to 100 °C. It is applicable to all leathers.
SANS 4045:2010/ ISO 4045:2008	<i>Leather – Chemical tests – Determination of Ph.</i> Specifies a method for determining the pH value and the difference figure of an aqueous leather extract.

Standard No. and year	Title, scope and purport
SANS 4098:2010/ ISO 4098:2006	<i>Leather – Chemical tests – Determination of water-soluble matter, water-soluble inorganic matter and water-soluble organic matter.</i> Specifies a method for the determination of water-soluble matter, water-soluble inorganic matter and water-soluble organic matter. It is applicable to all leather types.
SANS 4684:2010/ ISO 4684:2005	<i>Leather – Chemical tests – Determination of volatile matter.</i> Specifies a method for the determination of volatile matter which is applicable to all leather types.
SANS 5398-1:2010/ ISO 5398-1:2007	<i>Leather – Chemical determination of chromic oxide content – Part 1: Quantification by titration.</i> Describes a method for the determination of chromium in aqueous solution obtained from leather.
SANS 5398-2:2010/ ISO 5398-2:2009	<i>Leather – Chemical determination of chromic oxide content – Part 2: Quantification by colorimetric determination.</i> Describes the determination of chrome by colorimetric means. It is applicable to leathers which are expected to have chromic oxide contents in excess of 0,05 %.
SANS 5398-3:2010/ ISO 5398-3:2007	<i>Leather – Chemical determination of chromic oxide content – Part 3: Quantification by atomic absorption spectrometry.</i> Describes a method for the determination of chromium in aqueous solution obtained from leather.
SANS 5398-4:2010/ ISO 5398-4:2007	<i>Leather – Chemical determination of chromic oxide content – Part 4: Quantification by inductively coupled plasma – optical emission spectrometer (ICP-OES).</i> Describes a method for the determination of chromium in aqueous solution obtained from leather.
SANS 5433:2010/ ISO 5433:1999	<i>Leather – Bovine wet blue – Specification.</i> Specifies requirements, methods of sampling and methods of test for wet blue leather produced from bovine hides and parts of bovine hides tanned without hair and with the use of basic chromium sulfate as the primary tanning agent.
SANS 6805:2009/ ISO 6805:1994	<i>Rubber hoses and hose assemblies for underground mining – Wire-reinforced hydraulic types for coal mining – Specification.</i> Specifies requirements for six types of embedded-wire hose and hose assembly of bore diameter from 5 mm to 51 mm for use with common hydraulic fluids such as mineral oils, soluble oils and water emulsions, aqueous glycol solution and water temperatures.
SANS 7396-1:2009/ ISO 7396-1:2007	<i>Medical gas pipeline systems – Part 1: Pipeline systems for compressed medical gases and vacuum.</i> Specifies requirements for design, installation, function, performance, documentation, testing and commissioning of pipeline systems for compressed medical gases, gases for driving surgical tools and vacuum in healthcare facilities to ensure continuous delivery of the correct gas and the provision of vacuum from the pipeline system. Includes requirements for supply systems, pipeline distribution systems, control systems monitoring and alarm systems and non-interchangeability between components of different gas systems.
SANS 8459:2009/ ISO 8459:2009	<i>Information and documentation – Bibliographic data element directory for use in data exchange and enquiry.</i> Describes, in the form of a directory, data elements used to support the processes of acquisition, resource description and cataloguing, searching and requesting a loan or copy by an end user or an institution. It includes data elements that are exchanged or are potentially exchanged among bibliographic systems. It does not include data elements that are handled by transport protocols, only those related to application level protocols.
SANS 10183-1:2009	<i>Adhesives for wood – Part 1: Terminology and classification.</i> Covers definitions for adhesives for wood and classification of adhesives for wood according to inherent properties.
SANS 10183-2:2009	<i>Adhesives for wood – Part 2: Requirements for structural applications.</i> Specifies requirements for adhesives to be used in load-bearing structures.
SANS 10183-4-7:2010/ ASTM D 3535:2007	<i>Adhesives for wood – Part 4-7: Test methods – Resistance to creep under static loading for structural wood laminating adhesives used under exterior exposure conditions.</i> Covers adhesives suitable for the bonding of wood, including treated wood, into structural laminated wood products for general construction, for marine use, or for other uses where a high-strength general construction, creep-resistant, waterproof adhesive bond is required. Does not purport to address all of the safety concerns, if any, associated with its use.
SANS 11641:2010/ ISO 11641:1993	<i>Leather – Tests for colour fastness – Colour fastness to perspiration.</i> Specifies a method of determining the colour fastness of leather of all kinds at all stages of processing, but it applies particularly to gloving, clothing and lining leathers, as well as leather for the uppers of unlined shoes.
SANS 11801:2008/ ISO/IEC 11801:2008 (Ed. 2.1)	<i>Information technology – Generic cabling for customer premises. ISO/IEC corrigendum No. 1 to ISO/IEC amendment No. 1.</i> Corrected to reposition a paragraph, reformat five tables, replace identifiers on class EA and Fa channels, and to change a font size.
SANS 12718:2010/ ISO 12718:2008	<i>Non-destructive testing – Eddy current testing – Vocabulary.</i> Defines terms used in eddy current testing. Defines terms used in eddy current testing.
SANS 17007:2009/ ISO 17007:2009	<i>Conformity assessment – Guidance for drafting normative documents suitable for use for conformity assessment.</i> Provides principles and guidance for developing normative documents that contain specified requirements for objects of conformity assessment to fulfil, and for conformity assessment systems that can be employed when demonstrating whether an object of conformity assessment fulfils specified requirements.
SANS 17090-1:2009/ ISO 17090-1:2008	<i>Health informatics – Public key infrastructure – Part 1: Overview of digital certificate services.</i> Defines the basic concepts underlying the use of digital certificates in healthcare and provides a scheme of interoperability requirements to establish a digital certificate-enabled secure communication of health information. It also identifies the major stakeholders who are communicating health-related information, as well as the main security services required for health communication where digital certificates may be required. It gives a brief introduction to public key cryptography and the basic components needed to deploy digital certificates in healthcare. It further introduces different types of digital certificate.
SANS 17090-2:2009/ ISO 17090-2:2008	<i>Health informatics – Public key infrastructure – Part 2: Certificate profile.</i> Specifies the certificate profiles required to interchange healthcare information within a single organization, between different organizations and across jurisdictional boundaries. It details the use made of digital certificates in the health industry and focuses, in particular, on specific healthcare issues relating to certificate profiles.

Standard No. and year	Title, scope and purport
SANS 17090-3:2009/ ISO 17090-3:2008	<i>Health informatics – Public key infrastructure – Part 3: Policy management of certification authority.</i> Gives guidelines for certificate management issues involved in deploying digital certificates in healthcare. It specifies a structure and minimum requirements for certificate policies, as well as a structure for associated certification practice statements. It also identifies the principles needed in a healthcare security policy for cross-border communication and defines the minimum levels of security required, concentrating on aspects unique to healthcare.
SANS 18173:2010/ ISO/TS 18173:2005	<i>Non-destructive testing – General terms and definitions.</i> Defines the general technical terms that are used in many non-destructive testing disciplines.
SANS 18225:2009/ ISO 18225:2007	<i>Plastics piping systems – Multilayer piping systems for outdoor gas installations – Specifications for systems.</i> Specifies general performance requirements for multilayer pipe systems based on pipes made from thermoplastics and intended to be used for gas supply.
SANS 18752:2009/ ISO 18752:2006	<i>Rubber hoses and hose assemblies – Wire- or textile-reinforced single-pressure types for hydraulic applications – Specification.</i> Specifies requirements for nine classes, four grades and seven types of wire- or textile-reinforced hydraulic hoses and hose assemblies of nominal sizes ranging from 5 mm to 102 mm.
SANS 19772:2009/ ISO/IEC 19772:2009	<i>Information technology – Security techniques – Authenticated encryption.</i> Specifies the following methods for authenticated encryption: 1. defined ways for processing a data string, 2. protection against unauthorized disclosure of data, 3. protection that enables the recipient of data to verify that it has not been modified, 4. protection that enables the recipient of the data to verify the identity of the data originator.
SANS 20067:2006/ ECE R67:2006	<i>Uniform provisions concerning I. approval of specific equipment of motor vehicles using liquefied petroleum gases in their propulsion system; II. approval of a vehicle fitted with specific equipment for the use of liquefied petroleum gases in its propulsion system with regard to the installation of such equipment. ECE amendment No. 1.</i> Amended to change the scope, to add a new footnote to the scope, to change the footnote that gives distinguishing numbers of countries that have granted approval, and to renumber the remaining footnotes. <i>National amendment No. 1.</i> Amended to add information to the national foreword that relates to the compulsory introduction of this standard. <i>ECE amendment No. 2.</i> Amended to change applicable test procedures in the annex on provisions regarding the approval of the pressure regulator and the vaporizer, and to add a new subclause on endurance test for pressure regulator and vaporizer in the annex on test procedures. <i>ECE corrigendum No. 2.</i> Applies to the French text only.
SANS 20080:2007/ ECE R80:2005	<i>Uniform provisions concerning the approval of seats of large passenger vehicles and of these vehicles with regard to the strength of the seats and their anchorages. ECE corrigendum No. 1 to ECE amendment No. 1.</i> Corrected to change the appendix on test procedures for seats according to paragraph 5 and/or anchorages according to paragraph 6.1.2. <i>ECE corrigendum No. 1.</i> Applies to the French text only. <i>ECE corrigendum No. 1. to ECE amendment No. 4.</i> Corrected to change requirements on dynamic test, and to renumber a footnote.
SANS 20083:2007/ ECE R83:2005	<i>Uniform provisions concerning the approval of vehicles with regard to the emission of pollutants according to engine fuel requirements. ECE amendment No. 1.</i> Amended to change the scope. <i>ECE corrigendum No. 1. to ECE amendment No. 1.</i> Corrected to change the annex on bi-fuelled gas vehicles. <i>National amendment No. 1.</i> Amended to add information to the national foreword that relates to the compulsory introduction of this standard. <i>ECE amendment No. 2.</i> Amended to insert an annex on type I test (verifying exhaust emissions after a cold start). <i>ECE corrigendum No. 2.</i> Applies to the French text only. <i>ECE corrigendum No. 3.</i> Corrected to change the annexes on test procedures, description of the devices and test equipment for evaporative test.
SANS 20089:2006/ ECE R89:1993	<i>Uniform prescriptions for approval of: I Vehicles with regard to limitation of their maximum speed or their adjustable speed limitation function; II Vehicles with regard to the installation of a speed limiting device (SLD) or adjustable speed limitation device (ASLD) of an approved type; III Speed limitation devices (SLD) and adjustable speed limitation device (ASLD). ECE Corrigendum No. 1.</i> Corrected to change a definition, to change the annex on tests and performance requirements, and to change the annex on the tests and performance requirements for adjustable speed limitation devices (ASLD). <i>National amendment No. 1.</i> Amended to change the title and the scope, to add definitions for adjustable limit speed V_{adj} , adjustable speed limitation function ASLF and speed limitation function, to change and to add requirements in the clauses on requirements of part I (clause 5), part II (clause 13) and part III (clause 21), to change additional information on numbers assigned to countries for rectification purposes (footnote 3 to 4.4.1, 12.4.1 and 20.4.1), to replace terms in the annexes on communication, (annexes 1, 2 and 3), and to add an annex on tests and performance requirements for adjustable speed limitation devices (ASLD) (annex 6).
SANS 20101:2008/ ECE R101:2005	<i>Uniform provisions concerning the approval of passenger cars powered by an internal combustion engine only, or powered by a hybrid electric power train with regard to the measurement of the emission of carbon dioxide and fuel consumption and/or the measurement of electric energy consumption and electric range, and of categories M1 and N1 vehicles powered by an electric power train only with regard to the measurement of electric energy consumption and electric range. ECE amendment No. 1.</i> Amended to change the scope, to add new definitions, to change text on application for approval, to change text on specifications and tests, to change and to insert a footnote on conditions of extension of the type approval for vehicle type, to change the text on vehicles powered by a hybrid electric power train, to insert a subclause on extension of approval of vehicles of category N1 within a family, if powered by an internal combustion engine only or by a hybrid electric power train, to add a subclause on approval of vehicles of category N1 within a family, if powered by an internal combustion engine only or by a hybrid electric power train, and to add footnotes to the annex on communication. <i>National amendment No. 1.</i> Amended to add information (to the national foreword) that relates to the compulsory application and introduction of this standard.
SANS 20474-1:2010/ ISO 20474-1:2008	<i>Earth-moving machinery – Safety – Part 1: General requirements.</i> Specifies the general safety requirements for earth-moving machinery, and is applicable to machine attachments, and to derivated machinery designed primarily for equipment used to loosen, pick-up, move, transport or distribute earth, or to grade earth and rock.
SANS 20474-2:2010/ ISO 20474-2:2008	<i>Earth-moving machinery – Safety – Part 2: Requirements for tractor-dozers.</i> Covers the safety requirements specific to wheeled and crawler tractor-dozers, as well as those for rear-mounted winches on dozers.
SANS 20474-3:2010/ ISO 20474-3:2008	<i>Earth-moving machinery – Safety – Part 3: Requirements for loaders.</i> Specifies the safety requirements specific to loaders, and the appropriate technical measures for eliminating or reducing risks arising from significant hazards, hazardous situations or events during commissioning, operation and maintenance.

Standard No. and year	Title, scope and purport
SANS 20474-4:2010/ ISO 20474-4:2008	<i>Earth-moving machinery – Safety – Part 4: Requirements for backhoe loaders.</i> Specifies the safety requirements specific to wheeled and crawler backhoe loaders, and deals with all significant hazards, hazardous situations and events relevant to the earth-moving machinery within its scope when used as intended or under conditions of misuse reasonably foreseeable by the manufacturer.
SANS 20474-5:2010/ ISO 20474-5:2008	<i>Earth-moving machinery – Safety – Part 5: Requirements for hydraulic excavators.</i> Specifies the safety requirements specific to hydraulic excavators, and the appropriate technical measures for eliminating or reducing risks arising from significant hazards, hazardous situations or events during commissioning, operation and maintenance.
SANS 20474-6:2010/ ISO 20474-6:2008	<i>Earth-moving machinery – Safety – Part 6: Requirements for dumpers.</i> Specifies the safety requirements specific to wheeled and crawler dumpers, including compact dumpers and compact dumpers with standing operator. It is not applicable to road-truck-mounted dumpers.
SANS 20474-7:2010/ ISO 20474-7:2008	<i>Earth-moving machinery – Safety – Part 7: Requirements for scrapers.</i> Specifies the safety requirements specific to wheeled and crawler scrapers, except for towed scrapers, and the appropriate technical measures for eliminating or reducing risks arising from significant hazards, hazardous situations or events during commissioning, operation and maintenance.
SANS 20474-8:2010/ ISO 20474-8:2008	<i>Earth-moving machinery – Safety – Part 8: Requirements for graders.</i> Specifies the safety requirements specific to graders, and deals with all significant hazards, hazardous situations and events relevant to the earth-moving machinery within its scope when used as intended or under conditions of misuse reasonably foreseeable by the manufacturer.
SANS 20474-9:2010/ ISO 20474-9:2008	<i>Earth-moving machinery – Safety – Part 9: Requirements for pipelayers.</i> Specifies the safety requirements specific to pipelayers, and the appropriate technical measures for eliminating or reducing risks arising from significant hazards, hazardous situations or events during commissioning, operation and maintenance.
SANS 23045:2009/ ISO 23045:2008	<i>Building environment design – Guidelines to assess energy efficiency of new buildings.</i> Gives guidelines related to energy efficiency in buildings as introduced in ISO 16813.
SANS 23297:2009/ ISO 23297:2008	<i>Thermoplastics hoses and hose assemblies – Wire or synthetic yarn reinforced single-pressure types for hydraulic applications – Specification.</i> Specifies requirements for eight classes and two types (construction with adhesive bond between layers and construction without adhesive bond between layers) of wire or synthetic yarn reinforced hydraulic hoses and hose assemblies of nominal size from 3,2 mm to 31,5 mm.
SANS 24497-1:2010/ ISO 24497-1:2007	<i>Non-destructive testing – Metal magnetic memory – Part 1: Vocabulary.</i> Specifies terms and definitions for procedures in the sphere of non-destructive testing by the method of metal magnetic memory.
SANS 27000:2009/ ISO/IEC 27000:2009	<i>Information technology – Security techniques – Information security management systems – Overview and vocabulary.</i> Provides an overview of information security management systems, which form part of the subject of the information security management system (ISMS) family of standards, and defines related terms. Provides terms and definitions, and an introduction to the ISMS family of standards.
SANS 27005:2009/ ISO/IEC 17005:2008	<i>Information technology – Security techniques – Information security risk management.</i> Provides guidelines for information security risk management. Supports the general concept specified in ISO/IEC 27001 (published in South Africa as an identical adoption under the designation SANS 27001), and is designed to assist the satisfactory implementation of information security based on a risk management approach
SANS 28017:2009/ ISO 28017:2009	<i>Rubber hoses and hose assemblies, Wire or textile reinforced, for dredging applications – Specification.</i> Specifies requirements for two types, seven classes and three grades of wire- or textile-reinforced dredging hoses with nominal sizes ranging from 100 mm to 1200 mm.
SANS 28500:2009/ ISO 28500:2009	<i>Information and documentation – WARC file format.</i> Specifies the WARC file format to store both the payload content and control information from mainstream Internet application layer protocols, and to store arbitrary metadata linked to other stored data.
SANS 31000:2009/ ISO 31000:2009	<i>Risk management – Principles and guidelines.</i> Provides principles and generic guidelines on risk management in order to harmonize risk management processes in existing and future standards. It is not intended for the purpose of certification. It is also not specific to any industry or sector, and can be applied throughout the life of an organization, to a wide range of activities.
SANS 31010:2010/ ISO 31010:2009	<i>Risk management – Risk assessment techniques.</i> Supports ISO 31000 (published in South Africa as an identical adoption under the designation SANS 31000). Provides guidance on selection and application of systematic techniques for risk assessment. Not intended for certification, regulatory or contractual use. Does not provide specific criteria for identifying the need for risk analysis, nor does it specify the type of risk analysis method that is required for a particular application.
SANS 50028-2:2009/ EN 10028-2:2009	<i>Flat products made of steels for pressure purposes – Part 2: Non-alloy and alloy steels with specified elevated temperature properties.</i> Specifies requirements for flat products for pressure equipment made of weldable non-alloy and alloy steels with elevated temperature properties as specified in table 1.
SANS 50028-3:2009/ EN 10028-3:2009	<i>Flat products made of steels for pressure purposes – Part 3: Weldable fine grain steels, normalized.</i> Specifies requirements for flat products for pressure equipment made of weldable fine grain steels as specified in table 1.
SANS 50028-4:2009/ EN 10028-4:2009	<i>Flat products made of steels for pressure purposes – Part 4: Nickel alloy steels with specified low temperature properties.</i> Specifies requirements for flat products for pressure equipment made of nickel alloy steels as specified in table 1.
SANS 50028-5:2009/ EN 10028-5:2009	<i>Flat products made of steels for pressure purposes – Part 5: Weldable fine grain steels, thermomechanically rolled.</i> Specifies requirements for flat products for pressure equipment made of thermomechanically rolled steels as specified in table 1.
SANS 50028-6:2009/ EN 10028-6:2009	<i>Flat products made of steels for pressure purposes – Part 6: Weldable fine grain steels, quenched and tempered.</i> Specifies the requirements for flat products for pressure equipment made of quenched and tempered steels as specified in table 1.

Standard No. and year	Title, scope and purport
SANS 51317-1:2009/ EN 1317-1:1998	<i>Road restraint systems – Part 1: Terminology and general criteria for test methods.</i> Specifies the definitions of the principal terms used for road vehicle restraint systems and pedestrian restraint systems in other parts in this standard. Specifies the general provisions for test methods.
SANS 60079-10-2:2009/ IEC 60079-10-2:2009	<i>Explosive atmospheres – Part 10-2: Classification of areas – Combustible dust atmospheres.</i> Is concerned with the identification and classification of areas where explosive dust atmospheres and combustible dust layers are present, in order to permit the proper assessment of ignition sources in such areas. It does not apply to underground mining areas, areas where a risk can arise due to the presence of hybrid mixtures, dusts of explosives that do not require atmospheric oxygen for combustion, or to pyrophoric substances, catastrophic failures which are beyond the concept of abnormality dealt with in this standard any risk arising from an emission of flammable or toxic gas from the dust.
SANS 60793-1-47:2009/ IEC 60793-1-47:2009 (SABS IEC 60793-1-47:2007)	<i>Optical fibres – Part 1-47: Measurement methods and test procedures – Macrobending loss.</i> Establishes uniform requirements for measuring the macrobending loss of single-mode fibres (category B) at 1 550 nm or 1 625 nm, category A1 multimode fibres at 850 nm or 1 300 nm, and categories A3 and A4 multimode fibres at 650 nm, 850 nm or 1 300 nm. This assists in the inspection of fibres and cables for commercial purposes.
SANS 60851-5:2009/ IEC 60851-5:2008 (SABS IEC 60851-5:2004)	<i>Winding wires – Test methods – Part 5: Electrical properties.</i> Deals with insulated wires used for windings in electrical equipment. Specifies the following tests: Test 5: Electrical resistance, Test 13: Breakdown voltage, Test 14: Continuity of insulation, Test 19: Dielectric dissipation factor, and Test 23: Pin hole.
SANS 61000-4-7:2009/ IEC 61000-4-7:2009 (Ed. 2.1)	<i>Electromagnetic compatibility (EMC) – Part 4-7: Testing and measurement techniques – General guide on harmonics and interharmonics measurements and instrumentation, for power supply systems and equipment connected thereto. Consolidated edition incorporating amendment No. 1.</i> Amended to provide more detailed information on harmonics and interharmonics by means of additional references and definitions, and new equations, figures, tables and text.
SANS 61260:2009/ IEC 61260:1995	<i>Electroacoustics – Octave-band and fractional-octave-band filters.</i> Provides performance requirements and methods for testing the performance of analogue, sampled-data, and digital implementations of bandpass filters that comprise a filter set or spectrum analyser.
SANS 61995-2:2010/ IEC 61995-2:2009	<i>Devices for the connection of luminaires for household and similar purposes – Part 2: Standard sheets for DCL.</i> Applies to devices for the connection of luminaires (DCL) 250 V, 6 A a.c. intended for household and similar purposes, for the electrical connection to final circuits rated not more than 16 A, without providing mechanical support for the luminaire.
SANS 62106:2009/ IEC 62106:2009 (SABS IEC 62106:2000)	<i>Specification of the Radio Data System (RDS) for VHF/FM sound broadcasting in the frequency range from 87,5 to 108,0 MHz.</i> The radio data system (RDS) is intended for application to VHF/FM sound broadcasts in the range 87,5 MHz to 108,0 MHz which may carry either stereophonic (pilot-tone system) or monophonic programmes.
SANS 62110:2009/ IEC 62110:2009	<i>Electric and magnetic field levels generated by AC power systems – Measurement procedures with regard to public exposure.</i> Establishes measurement procedures for electric and magnetic field levels generated by AC power systems to evaluate the exposure levels of the human body to these fields. Applicable to public exposure in the domestic environment and in areas accessible to the public.
SANS 62223:2010/ IEC 62223:2009	<i>Insulators – Glossary of terms and definitions.</i> Specifies terms defined in standards that fall under the scope of technical committee TC 36: Insulators. Covers terms that can be found in IEC 60050-471 as well as terms not appropriate for inclusion in IEC 60050-471 but used widely in the standards of IEC TC 36.
SANS 62369-1:2009/ IEC 62369-1:2008	<i>Evaluation of human exposure to electromagnetic fields from short range devices (SRDs) in various applications over the frequency range 0 GHz to 300 GHz – Part 1: Fields produced by devices used for electronic article surveillance, radio frequency identification and similar systems.</i> Presents procedures for the evaluation of human exposure to electromagnetic fields (EMFs) from devices used in electronic article surveillance (EAS), radio frequency identification (RFID) and similar applications.
SANS 62577:2009/ IEC 62577:2009	<i>Evaluation of human exposure to electromagnetic fields from a stand-alone broadcast transmitter (30 MHz - 40 GHz).</i> Applies to a single stand-alone broadcast transmitter operating in the frequency range 30 MHz to 40 GHz when put on the market. Only applies to broadcast transmitters being placed on the market (type approval) and does not apply to broadcast transmitters being commissioned or placed into service.

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 151:2009 (Ed. 6.3)	<i>Fixed electric storage water heaters. Consolidated edition incorporating amendment No. 3.</i> Amended to include water heaters where the container is manufactured from stainless steel and to clarify the wording referring to the container material, and to correct incorrect cross references.
SANS 807:2009 (Ed. 2.2)	<i>Unwrought tough pitch coppers: Grade B tough pitch copper. Consolidated edition incorporating amendment No. 2.</i> Amended to delete referenced standard methods that have been withdrawn.
SANS 975:2010 (Ed. 1.5)	<i>Prestressed concrete pipes. Consolidated edition incorporating amendment No. 5.</i> Amended to change the designation of SABS standards to SANS standards, to remove reference to the standardization mark scheme, to update the definition of "acceptable", to update referenced standards, and to move reference to legislation to the foreword.

Standard No. and year	Title, scope and purport
SANS 984:2009/ IEEE 1584:2002	<i>IEEE Guide for Performing Arc-Flash Hazard Calculations. IEEE amendment No. 1.</i> Amended to introduce a second calculation for arc current for applications with a system voltage under 1 000 V, to indicate specific formulae to be used when calculating arc-flash energies for current-limiting fuses, to specify equations to be used where time-current curves are available for systems using low-voltage circuit breakers, and to change a formula in the arc-flash calculator.
SANS 1044:2009 (Ed. 3.1)	<i>Industrial laundry detergents. Consolidated edition incorporating amendment No. 1.</i> Amended to update the normative references, to align the corrosiveness to corrosion resistant steel requirement with that of other detergent standards and to correct the numbering of subclauses in clause 6.1.
SANS 1344:2009 (Ed. 2.1)	<i>Medium duty solvent detergent. Consolidated edition incorporating amendment No. 1.</i> Amended to change the general requirements of the cleaning compound, and to include the test temperature for the cleaning efficiency test.
SANS 1453:2010 (Ed. 1.3)	<i>Copper tubes for medical gas and vacuum services. Consolidated edition incorporating amendment No. 3.</i> Amended to delete a referenced standard.
SANS 6156:2009 (Ed. 2.1)	<i>Water requirement of portland cement extenders. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards, to add a definition for "acceptable", to re-number consecutive clauses, and to modify requirements for materials.
SANS 8539:2010/ ISO 8539:2009 (SABS ISO 8539:1986)	<i>Forged steel lifting components for use with Grade 8 chain.</i> Specifies general requirements for forged steel components of Grade 8 up to 63 t working load limit (WLL), mainly for use in chain slings, steel wire rope slings, and textile slings intended for lifting objects, materials or goods. Not applicable to hand forged components and welded links, or other welded components.
SANS 9001:2008/ ISO 9001:2008 (SABS ISO 9001)	<i>Quality management systems – Requirements. ISO corrigendum No. 1.</i> Corrected to update table A.1, table A.2 and table B.1.
SANS 10047:2009 (SABS 047:2007)	<i>The testing of motor vehicles for roadworthiness.</i> Covers the examination and testing for roadworthiness of vehicles used on public roads.
SANS 10096:2009 (Ed. 2.5)	<i>The manufacture of finger-jointed structural timber. Consolidated edition incorporating amendment No. 5. Consolidated edition incorporating amendment No. 5.</i> Amended to change a requirement for dimensions in the clause on finger-joint pattern, to insert a new clause on marking of finger-jointed material before the clause on proof-grading of finger-jointed structural timber, and to renumber the subsequent clauses.
SANS 10166:2009 (Ed. 1.2)	<i>The overhaul of diesel fuel injection equipment. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation from SABS to SANS, to move reference to South African legislation in the text to the foreword, and to change the name of the testing authority.
SANS 10198-11:2010 (SABS 0198-11:1988)	<i>The selection, handling and installation of electric power cables of rating not exceeding 33 kV – Part 11: Jointing and termination of screened polymeric-insulated cables.</i> Deals with the practical aspects of handling and installing cables. Covers the jointing and termination of screened extruded solid dielectric-insulated cables of system operating voltage in the range 6,6 kV - 33 kV, using polyethylene (XLPE or PE), ethylene-propylene rubber (EPR) or similar materials for the core insulation. Also covers transition jointing to paper-insulated cables.
SANS 10216:2009 (SABS 0216:2007)	<i>Evaluation of vehicle test stations.</i> Covers general provisions for the evaluation of the technical competence of a vehicle test station authority. Also serves as a basis for determining the grading and registration of the authority on the grounds of its adherence to the provisions of this standard, the suitability of the equipment and the competence of registered examiners of vehicles employed.
SANS 10228:2010 (SABS 0228:2006)	<i>The identification and classification of dangerous goods for transport.</i> Covers the identification and classification of dangerous goods that are capable of posing a significant risk to health and safety or to property and the environment. Dangerous goods are classified in nine classes relating to the type of hazard and in three packing groups relating to the degree of danger posed within the class.
SANS 10229-1:2010	<i>Transport of dangerous goods – Packaging and large packaging for road and rail transport – Part 1: Packaging.</i> Identifies methods of packaging suitable for prescribed maximum quantities of dangerous goods that may be transported by road and rail. Describes minimum performance requirements for the packaging, the procedures to be followed to obtain approval from testing or certification authorities and gives details of the labels and marking to be displayed on the packaging.
SANS 15446:2009/ ISO/IEC TR 15446:2005	<i>Information technology – Security techniques – Guide for the production of Protection Profiles and Security Targets.</i> Provides guidance relating to the construction of Protection Profiles (PPs) and Security Targets (STs) that are intended to be compliant with the third edition of ISO/IEC 15408. Applies to PPs and STs compliant with Common Criteria version 3.1.
SANS 15946-1:2009/ ISO/IEC 15946-1:2008	<i>Information technology – Security techniques – Cryptographic techniques based on elliptic curves – Part 1: General. ISO/IEC corrigendum No. 1.</i> Corrected to add Annex D on the contents page and a Note 2 on 'elliptic curve' under definition of terms.
SANS 20090:2010/ ECE R90:2009	<i>Replacement brake lining assemblies and drum brake linings for power-driven vehicles and their trailers.</i> Applies to replacement brake lining assemblies intended for use in friction brakes that form part of a braking system of vehicles of category M, N, L and O, and replacement drum brake linings designed to be riveted to a brake shoe for fitment to and use on vehicles of category M3, N2, N3, O3 or O4.
SANS 60137:2010/ IEC 60137:2008 (SABS IEC 60137:2004)	<i>Insulated bushings for alternating voltages above 1 000 V.</i> Applicable to bushings intended for use in electrical apparatus, machinery, transformers, switchgear and installations for three-phase alternating current systems, having highest voltage for equipment above 1 000 V and power frequencies of 15 Hz up to and including 60 Hz.

Standard No. and year	Title, scope and purport
SANS 60745-2-15:2010/ IEC 60745-2-15:2009 (Ed. 2.1)	<i>Hand-held motor-operated electric tools – Safety – Part 2-15: Particular requirements for hedge trimmers. Consolidated edition incorporating amendment No. 1.</i> Amended to include a warning that the hedge trimmer is to be held by insulated gripping surfaces only.
SANS 60793-2-40:2009/ IEC 60793-2-40:2009	<i>Optical fibres – Part 2-40: Product specifications – Sectional specification for category A4 multimode fibres.</i> Covers the optical fibre categories A4a, A4b, A4c, A4d, A4e, A4f, A4g and A4h with plastic core and plastic cladding that may have step-index, multi-step index, or graded-index profiles used in information transmission equipment and optical fibre cables.
SANS 60947-2:2009/ IEC 60947-2:2009 (Ed. 4.1)	<i>Low-voltage switchgear and controlgear – Part 2: Circuit-breakers. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards, to change definitions, to correct a marking symbol, to change constructional and test requirements, to add tests, to delete requirements for limiting non-actuating time of circuit-breakers, to change a table and figures that graphically illustrate the characteristics of current (annex K) and to change product information (annex M).
SANS 61000-4-8:2009/ IEC 61000-4-8:2009	<i>Electromagnetic compatibility (EMC) – Part 4-8: Testing and measurement techniques – Power frequency magnetic field immunity test.</i> Relates to the immunity requirements of equipment, only under operational conditions, to magnetic disturbances at power frequencies 50 Hz and 60 Hz related to residential and commercial locations, industrial installations and power plants, and medium-voltage and high-voltage substations.
SANS 61260:2009/ IEC 61260:1995	<i>Electroacoustics – Octave-band and fractional-octave-band filters. IEC amendment No. 1.</i> Amended to update referenced standards, to add definitions, to add requirements and test procedures for electrostatic compatibility, and radio-frequency emission limits.
SANS 62271-301:2010/ IEC/TR 62271-301:2009	<i>High-voltage switchgear and controlgear – Part 301: Dimensional standardisation of high-voltage terminals.</i> Applies to high-voltage switchgear and controlgear such as circuit-breakers, disconnectors and switches.

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 974-1:1986	<i>Rubber joint rings (non-cellular) – Part 1: Joint rings for use in water, sewer and drainage systems.</i>
SANS 1116-2:2003	<i>Retro-reflective number plates for motor vehicles – Part 2: Metal</i>
SANS 1116-4:2003	<i>Retro-reflective number plates for motor vehicles – Part 4: Plastics.</i>
SANS 1349:2006	<i>Phenolic, aminoplastic and one-part polyurethane resin adhesives for the laminating and finger-jointing of timber, and for furniture and joinery.</i>
SANS 1435:2004	<i>Biocides for use in emulsions of aqueous metal working fluid and aqueous hydraulic fluid.</i>
SANS 6029:2005	<i>Close-joint test pieces for testing wood adhesives.</i>
SANS 6031:2005	<i>Standard laminated wood unit for testing wood adhesives.</i>
SANS 10224:1990	<i>Non-flammable medical gas pipeline systems.</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.