

DEPARTMENT OF TRADE AND INDUSTRY

No. 1082

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STANDARDS ACT, 1993
STANDARDS MATTERS

In terms of the Standards Act, 1993 (Act No. 29 of 1993), 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 259:2008/ ISO 5006:2006	<i>Earth-moving machinery – Operator's field of view – Test method and performance criteria.</i> Specifies a static test method for determining and evaluating the operator's visibility on a rectangular 1 m boundary close around the machine and on a 12 m visibility test circle.
SANS 319:2008/ OIML R 125:1998	<i>Measuring systems – Cryogenic liquids and other selected liquid gases in vertical tanks – Pressure differential method.</i> Specifies the minimum metrological and technical requirements for the design, construction and tests required to obtain type approval from the national responsible body and verification of instruments used to determine the mass of liquids under pressure contained in a tank while it is in a static state using the hydrostatic pressure (pressure differential method) of the liquid gases in vertical cylindrical tanks. Does not include instruments that determine the mass of the liquid by methods covered by other standards, for example by weighing, by measuring the volume and density, by converting to mass or by measuring mass flow.
SANS 452:2008	<i>Non-reusable and reusable sharps containers.</i> Covers requirements for non-reusable and reusable containers used for the collection, transportation and processing of sharp objects (sharps) used in human and animal medical applications.
SANS 506:2008	<i>Timber preservative – Alkaline-copper-quaternary type.</i> Covers alkaline-copper-quaternary (ACQ) type preservatives for wood.
SANS 508:2008	<i>Concrete retaining blocks.</i> Covers concrete blocks which are dry stacked into a wall which is used to retain earth, sand or stone and other superimposed loads.
SANS 528-3:2008/ ISO 639-3:2007	<i>Codes for the representation of names of languages – Part 3: Alpha-3 code for comprehensive coverage of languages.</i> Provides a code consisting of language code elements comprising three-letter language identifiers for the representation of languages. Attempts to provide as complete an enumeration of languages as possible, and deals with a very large number of lesser-known languages.
SANS 528-5:2008/ ISO 639-5:2006	<i>Codes for the representation of names of languages – Part 5: Alpha-3 code for language families and groups.</i> Provides a code consisting of language code elements comprising three-letter language identifiers for the representation of names of living and extinct language families and groups. Languages designed exclusively for machine use, such as computer-programming languages, are not included in this code.
SANS 549:2008	<i>Shower enclosures for domestic purposes.</i> Specifies requirements for the installation of shower enclosures for domestic purposes, but does not apply to shower cabinets or curtains and does not specify aesthetic and dimensional requirements.
SANS 553-1:2008/ ISO 6185-1:2001	<i>Inflatable boats – Part 1: Boats with a maximum motor power rating of 4,5 Kw.</i> Specifies the minimum safety characteristics required for the design, materials to use, manufacture and testing of inflatable boats (including rigid inflatable boats) less than 8 m in overall length with a minimum buoyancy of 1 800 N. Is applicable to types I, II, III and IV inflatable boats. Excludes single-chambered boats. Is not applicable to aquatic toys and inflatable liferafts.
SANS 553-2:2008/ ISO 6085-2:2001	<i>Inflatable boats – Part 2: Boats with a maximum motor power rating of 4,5 kW to 15 kW inclusive.</i> Specifies the minimum safety characteristics required for the design, materials to use, manufacture and testing of inflatable boats (including rigid inflatable boats) less than 8 m in overall length with a minimum buoyancy of 1 800 N. Is applicable to type V and type VI inflatable boats. Excludes single-chambered boats and boats made from unsupported materials of more than 12 kN buoyancy and powered by motors exceeding 4,5 kW. Is not applicable to aquatic toys and inflatable liferafts.
SANS 553-3:2008/ ISO 6185-3:2001	<i>Inflatable boats – Part 3: Boats with a maximum motor power rating of 15 kW and greater.</i> Specifies the minimum safety characteristics required for the design, materials to use, manufacture and testing of inflatable boats (including rigid inflatable boats) less than 8 m in overall length with a minimum buoyancy of 1 800 N. Is applicable to type VII and type VIII inflatable boats. Excludes single-chambered boats and boats made from unsupported materials. Is not applicable to aquatic toys and inflatable liferafts.

Standard No. and year	Title, scope and purport
SANS 557:2008/ ISO 10087:2006	<i>Small craft – Craft identification – Coding system.</i> Establishes a coding system to achieve identification of any small craft in terms of identification code of the country of the manufacturer, identification code of the manufacturer, serial number, month and year of manufacture, and model year. Applies to small craft of all types and materials, of hull length up to 24 m. Does not apply to beach or bathing toys.
SANS 560:2008/ ISO 10088:2001	<i>Small craft – Permanently installed fuel systems and fixed fuel tanks.</i> Specifies the requirements for the design, materials, construction, installation and testing of permanently installed fuel systems and fixed fuel tanks for internal combustion engines. Applies to all parts of permanently installed diesel and petrol fuel systems and fixed fuel tanks, from the fuel filling opening to the point of connection with the propulsion or auxiliary engine on inboard- and outboard-powered small craft of hull length up to 24 m.
SANS 561:2008/ ISO 10133:2000	<i>Small craft – Electrical systems – Extra-low-voltage d.c. installations.</i> Specifies the requirements for the design, construction and installation of extra-low-voltage direct current electrical systems which operate at nominal potentials of 50 V d.c. or less on small craft of hull length up to 24 m. Does not cover engine wiring as supplied by the engine manufacturer.
SANS 563:2008/ ISO 10134:2003	<i>Small craft – Electrical devices – Lightning-protection systems.</i> Establishes guidelines for the design, construction and installation of lightning-protection systems fitted on small craft of hull length up to 24 m.
SANS 568:2008/ ISO 10240:2004	<i>Small craft – Owner's manual.</i> Specifies the information that is included in the owner's manual of small craft of hull length up to 24 m.
SANS 575:2008/ ISO 5774:2006	<i>Plastics hoses – Textile-reinforced types for compressed-air applications – Specification.</i> Specifies the requirements for four types of flexible thermoplastic hose, textile reinforced, for compressed-air applications in the range from –10 degrees celsius to +60 degrees celsius.
SANS 576:2008/ ISO 1825:1996	<i>Rubber hoses and hose assemblies for aircraft ground fuelling and defuelling – Specification.</i> Specifies requirements for six types of hose and hose assembly for use in all operations associated with the ground fuelling and defuelling of aircraft.
SANS 584:2008	<i>Soda-lime granules (with indicator) for use during anaesthesia for carbon dioxide absorption.</i> Specifies the requirements for soda-lime granules with indicator for use in closed and semi-closed breathing circuits. Soda lime allows for rebreathing of volatile anaesthetics by absorbing carbon dioxide.
SANS 616:2008	<i>Wood-preserving creosote mixtures and coal-tar mixtures.</i> Covers coal tar that is derived entirely from the carbonization of bituminous coal. This coal tar may either be a coal-tar distillate (creosote) or a solution of coal tar in coal-tar distillate and is intended for use in the preservation of timber.
SANS 674:2008	<i>Steel-reinforced spirally wound PE drainage and sewer pipes.</i> Specifies requirements and inspection methods for steel-reinforced spirally-wound polyethylene (PE) drainage pipes made by winding and welding composite profiles. The steel-reinforced polyethylene profile is made by combining steel reinforcement with polyethylene through extrusion technology.
SANS 687:2008	<i>Inspection and testing of non-fixed load-lifting attachments.</i> Covers provisions for inspection and testing of non-fixed load-lifting attachments that are in service.
SANS 762:2008/ BS 6657:2002	<i>Assessment of inadvertent initiation of bridge wire electro-explosive devices by radio-frequency radiation – Guide.</i> Provides guidance on assessing the possibility of inadvertent extraction of energy from an electromagnetic field propagated from radio frequency (RF), radar or other transmitter antennas and the coupling of this energy to an electro-explosive device (EED) in a manner capable of causing initiation. The frequency range covered is 9 kHz to 60 GHz.
SANS 990-1:2008	<i>Business process outsourcing and offshoring operations – Part 1: Outbound contact centre operations.</i> Specifies generic requirements for quality operational practices in the business process outsourcing and offshoring sector (the BPO&O sector), including captive operations relating to outbound contact centre operations, in any sector of industry, regardless of type and size, where any such operation needs to demonstrate the ability to provide clients and customers with products or services (or both) of consistent quality that continuously and proactively satisfy clients and customers, needs to demonstrate that it complies with applicable legal and regulatory requirements, and strives continuously to enhance client (for outsourced services), organizational (for captive services) and customer satisfaction through the effective application of this standard and the continual improvement of operational practices. Also specifies when systems' performance metrics are required.
SANS 990-2:2008	<i>Business process outsourcing and offshoring operations – Part 2: Inbound contact centre operations.</i> Specifies generic requirements for quality operational practices in the business process outsourcing and offshoring sector (the "BPO&O sector"), including captive operations relating to inbound contact centre operations, in any sector of industry, regardless of type and size, where any such operation needs to demonstrate the ability to provide clients and customers with products or services (or both) of consistent quality that continuously and proactively satisfy clients and customers, needs to demonstrate that it complies with applicable legal and regulatory requirements, and strives continuously to enhance client (for outsourced services), organizational (for captive services) and customer satisfaction through the effective application of this standard and the continual improvement of operational practices. Specifies when systems' performance metrics are required.
SANS 990-3:2008	<i>Business process outsourcing and offshoring operations – Part 3: Back-office processing operations.</i> Specifies generic requirements for quality operational practices in the business process outsourcing and offshoring sector (the "BPO&O sector"), including captive operations relating to back-office processing operations, in any sector of industry, regardless of type and size, where any such operation needs to demonstrate the ability to provide clients and customers with products or services (or both) of consistent quality that continuously and proactively satisfy clients and customers, needs to demonstrate that it complies with applicable legal and regulatory requirements, and strives continuously to enhance client (for outsourced services), organizational (for captive services) and customer satisfaction through the effective application of this recommended practice and the continual improvement of operational practices. Specifies when systems' performance metrics are required.
SANS 1709:2008/ NFPA 15:2007	<i>Water spray fixed systems for fire protection.</i> Covers the design, installation, maintenance and testing of water spray fixed systems.

Standard No. and year	Title, scope and purport
SANS 2313:2008/ ISO 2313:1972	<i>Textile fabrics – Determination of the recovery from creasing of the horizontally folded specimen by measuring the angle of recovery.</i> Specifies a method for determining the angle of recovery of fabrics from creasing.
SANS 2398:2008/ ISO 2398:2006	<i>Rubber hoses, textile-reinforced, for compressed-air – Specification.</i> Specifies requirements for three types, three classes and two categories of textile-reinforced rubber hose for compressed air, up to a maximum working pressure of 25 bar with an operating-temperature range of -40 degrees celcius to +70 degrees celcius, depending on the type and category.
SANS 3000-2-2:2008	<i>Railway safety management – Part 2-2: Technical requirements for engineering and operational standards – Track, civil and electrical infrastructure.</i> Covers the requirements for the development of regulator, industry and local standards. Includes the asset life cycle components of design, construction/manufacturing and implementation, commissioning, monitoring and maintenance, modification, and decommissioning and disposal.
SANS 3000-2-3:2008	<i>Railway safety management – Part 2-3: Technical requirements for engineering and operational standards – Rolling stock.</i> Covers requirements for the development of regulator, industry and local standards. Includes the asset life cycle components of design, construction/manufacturing, commissioning, monitoring and maintenance, modification, and decommissioning and disposal of rolling stock.
SANS 3077:2008/ ISO 3077:2001	<i>Short-link chain for lifting purposes – Grade T (types T, DAT and DT), fine-tolerance hoist chain.</i> Specifies requirements for fine-tolerance hoist chain of Grade T (types T, DAT and DT) for use with manually operated or power-driven chain hoists. Is applicable to electrically welded, round, steel short-link chain, heat-treated and tested in accordance with the general conditions of acceptance of ISO 1834, in the nominal chain size range from 3 mm to 22 mm.
SANS 3448:2008/ ISO 3448:1992	<i>Industrial liquid lubricants – ISO viscosity classification.</i> Establishes a system of viscosity classification for industrial liquid lubricants and related fluids.
SANS 4427-1:2008/ ISO 4427-1:2007	<i>Plastics piping systems – Polyethylene (PE) pipes and fittings for water supply – Part 1: General.</i> Specifies the general aspects of polyethylene (PE) piping systems (mains and service pipes) intended for the conveyance of water for human consumption, including raw water prior to treatment and water for general purposes.
SANS 4427-2:2008/ ISO 4427-2:2007	<i>Plastics piping systems – Polyethylene (PE) pipes and fittings for water supply – Part 2: Pipes.</i> Specifies the pipes made from polyethylene (PE) intended for the conveyance of water for human consumption, including raw water prior to treatment and water for general purposes.
SANS 4427-3:2008/ ISO 4427-3:2007	<i>Plastics piping systems – Polyethylene (PE) pipes and fittings for water supply – Part 3: Fittings.</i> Specifies the general aspects of fittings made from polyethylene (PE) for piping systems intended for the conveyance of water for human consumption, including raw water prior to treatment and water for general purposes.
SANS 4427-5:2008/ ISO 4427-5:2007	<i>Plastics piping systems – Polyethylene (PE) pipes and fittings for water supply – Part 5: Fitness for purpose of the system.</i> Specifies the characteristics of the fitness for purpose of assembled piping systems made from polyethylene (PE) intended for the conveyance of water for human consumption, including raw water prior to treatment and water for general purposes.
SANS 4566:2008/ ISO 4566:2008	<i>Small craft with inboard engine – Propeller shaft ends and bosses with 1:10 taper.</i> Specifies the dimensions for interchangeability of propeller bosses (hubs) and propeller shaft ends in the shaft diameter range of 20 mm to 160 mm with a taper of 1:10, intended for installation on inboard-engined small craft.
SANS 6594:2008/ ISO 6594:2006	<i>Cast iron drainage pipes and fittings – Spigot series.</i> Specifies the characteristics of cast iron drainage pipes and fittings used for the installations of discharge pipes for water and sewage, rain water pipe systems, and ventilation pipe systems.
SANS 7001:2008/ ISO 7001:2007	<i>Graphical symbols – Public information symbols.</i> Specifies graphical symbols for the purposes of public information. It is generally applicable to public information symbols in all locations and all sectors where the public has access.
SANS 7240-16:2008/ ISO 7240-16:2007	<i>Fire detection and alarm systems – Part 16: Sound system control and indicating equipment.</i> Specifies the requirements, test methods and performance criteria for sound system control and indicating equipment (s.s.c.i.e.) for use in buildings and structures as part of a sound system for emergency purposes (s.s.e.p.) (item C of Figure 2 in ISO 7240-1:2005). The s.s.c.i.e. is primarily intended to broadcast information for the protection of lives within one or more specified areas in an emergency, to effect a rapid and orderly mobilization of occupants in an indoor or outdoor area. This includes systems using loudspeakers to broadcast voice announcements for emergency purposes, alert signals complying with ISO 7731, and evacuate signals complying with ISO 8201.
SANS 7240-19:2008/ ISO 7240-19:2007	<i>Fire detection and alarm systems – Part 19: Design, installation, commissioning and service of sound systems for emergency purposes.</i> Specifies the design, installation, commissioning and service requirements for a sound system for emergency purposes (s.s.e.p.; see ISO 7240-1:2005, Figure 1, item C), which is primarily intended to broadcast information for the protection of lives within one or more specified indoor or outdoor areas during an emergency. The s.s.e.p. is intended to initiate a rapid and orderly mobilization of occupants in an emergency by including systems using loudspeakers to broadcast voice announcements for emergency purposes, alert signals complying with ISO 7731 (where applicable) and evacuation signals complying with ISO 8201. In some cases, sound systems are used in preference to sounders or bells in order to broadcast a range of coded warnings that is difficult to communicate with sounders or bells.
SANS 8087:2008/ ISO 8087:1985	<i>Mobile cranes – Drum and sheave sizes.</i> Establishes the minimum ratio of the pitch diameters of the drum and sheave to the nominal diameter of the rope for hoisting and luffing operations.
SANS 8099:2008/ ISO 8099:2000	<i>Small craft – Toilet waste retention systems.</i> Specifies requirements for the design, construction and installation of systems for temporary retention of sewage for subsequent disposal. Applies to small craft of hull length up to 24 m.
SANS 8459:2008/ ISO 8469:2006	<i>Small craft – Non-fire-resistant fuel hoses.</i> Specifies general requirements and physical tests for non-fire-resistant hoses for conveying petrol and diesel oil, designed for a working pressure not exceeding 0,34 MPa for hoses with inner diameter up to and including 10 mm and 0,25 MPa for hoses up to 63 mm inner diameter in craft of hull length up to 24 m. Applies to hoses for small craft with permanently installed fuel systems.

Standard No. and year	Title, scope and purport
SANS 8501-3:2008/ ISO 8501-3:2006	<i>Preparation of steel substrates before application of paints and related products – Visual assessment of surface cleanliness – Part 3: Preparation grades of welds, edges and other areas with surface imperfections.</i> Describes preparation grades of welds, edges and other areas on steel surfaces with imperfections. Such imperfections can become visible before and/or after an abrasive blast-cleaning process. The preparation grades given in this standard are to make steel surfaces with imperfections, including welded and fabricated surfaces suitable for the application of paints and related products.
SANS 8566-4:2008/ ISO 21003-1:2007	<i>Cranes – Cabins – Part 4: Jib cranes.</i> Specifies the requirements for cabins for jib cranes as defined in ISO 4306-1.
SANS 8770:2008/ ISO 8770:2003	<i>Plastics piping systems for soil and waste discharge (low and high temperature) inside buildings – Polyethylene (PE).</i> Specifies the requirements for solid-wall polyethylene (PE) pipes and fittings for soil and waste discharge (low and high temperature) inside buildings, as well as the system itself. It does not include buried pipework.
SANS 8848:2008/ ISO 8848:1990	<i>Small craft – Remote steering systems.</i> Specifies requirements and test methods for remote push-pull cable steering systems and their major component items, used for small craft with single and twin installations of outboard motors of over 15 kW power, and all inboard motors, inboard motor-outdrives, and waterjet drives.
SANS 9775:2008/ ISO 9775:1990	<i>Small craft – Remote steering systems for single outboard motors of 15 kW to 40 kW power.</i> Specifies requirements and test methods for remote push-pull cable steering systems and their major component items, used for small craft with a single outboard motor of 15 kW to 40 kW power.
SANS 10248-1:2008	<i>Management of healthcare waste – Part 1: Management of healthcare risk waste from a healthcare facility.</i> Lays down minimum provisions for the safe and effective management of healthcare risk waste generated by healthcare facilities and other places where healthcare professionals work in order to reduce potential risks to humans and to the environment. The management of healthcare risk waste covers the generation, the packaging, the treatment and the disposal of waste.
SANS 10263-2:2008	<i>The warehousing of dangerous goods – Part 2: The storage and handling of gas cylinders.</i> Specifies requirements for safe handling and storage of industrial and medical gas cylinders for compressed, liquefied or dissolved gases that have a water capacity of 0,5 L to 150 L throughout the supply chain, to and from end users. It also includes undercover and open air conditions. Sites where gas cylinders are filled are specifically excluded.
SANS 10280-1:2008/ NRS 041-1:2008	<i>Overhead power lines for conditions prevailing in South Africa – Part 1: Safety.</i> Specifies mechanical and electrical safety requirements of overhead power lines including requirements for supports, the conductor system, clearances and crossings.
SANS 10393:2008	<i>Hair care products – General requirements.</i> Specifies the requirements for the marketing, labelling, advertising and selling of all hair care products. It also specifies the safety and efficacy of these products.
SANS 10592:2008/ ISO 10592:1994	<i>Small craft – Hydraulic steering systems.</i> Specifies requirements, test methods, manuals for both the owner and the installer, and the designation for hydraulic steering systems and components from the wheel to the interface point for outboard motor, inboard motor and inboard-outdrive steering arrangements, used on small craft of up to 24 m length of hull. Accessories connecting output rams to tiller arms or equivalent are not included.
SANS 11547:2008/ ISO 11547:1994	<i>Small craft – Start-in-gear protection.</i> Specifies requirements to prevent an outboard motor from being started in gear, when installed on small craft of up to 24 m length of hull.
SANS 11591:2008/ ISO 11591:2000	<i>Small craft, engine-driven – Field of vision from helm position.</i> Specifies requirements for the field of vision from the helm position, forward and astern, in small engine-driven craft of hull length up to 24 m. The following craft are exempt from the application of this standard: sailboats, and tiller-steered craft with maximum speed less than 10 kn (10 knots).
SANS 11592:2008/ ISO 11592:2001	<i>Small craft less than 8 m length of hull – Determination of maximum propulsion power rating.</i> Establishes the requirements for determination of the maximum propulsion power rating for engine-driven small craft with a length of hull of less than 8 m. Is not applicable to personal water craft, canoes and kayaks, inflatable boats, and racing boats (craft designed and constructed solely for competitive racing). Does not specify craft constructional strength requirements related to maximum rated power and does not guarantee security from instability under all conditions of seaway, wind, wakes and waves.
SANS 11812:2008/ ISO 11812:2001	<i>Small craft – Watertight cockpits and quick-draining cockpits.</i> Specifies requirements for cockpits and recesses to be designated either as watertight or as quick-draining on small craft of hull length up to 24 m. Does not set requirements for the size and shape of a cockpit or recess, nor when or where it shall be used. Only considers draining by gravity, and not by pumping or other methods.
SANS 11820:2008/ ISO 1182:2002	<i>Reaction to fire tests for building products – Non-combustibility test.</i> Specifies a method of test for determining the non-combustibility performance, under specified conditions, of homogeneous products and substantial components of non-homogeneous building products. Information on the precision of the test method is given in annex A.
SANS 12215-1:2008/ ISO 12215-1:2000	<i>Small craft – Hull construction and scantlings – Part 1: Materials: Thermosetting resins, glass-fibre reinforcement, reference laminate.</i> Is applicable to thermosetting resins and glass-fibre reinforcement used in the construction of small craft with a length of the hull of up to 24 m. Specifies the minimum requirements for material properties of glass reinforcement and resin matrix and the reference laminate made thereof. May be applicable to materials other than those specified, provided that the minimum requirements and properties of the reference laminate are met.
SANS 12215-2:2008/ ISO 12215-2:2002	<i>Small craft – Hull construction and scantlings – Part 2: Materials: Core materials for sandwich construction, embedded materials.</i> Specifies requirements for core materials for structural use and materials that are embedded in sandwich construction. Is applicable to small craft with a hull length of up to 24 m.
SANS 12215-4:2008/ ISO 12215-4:2002	<i>Small craft – Hull construction and scantlings – Part 4: Workshop and manufacturing.</i> Specifies workshop conditions, material storage and handling, and requirements for the manufacturing of the craft. Applies to small craft with a hull length according of up to 24 m. Does not cover health and safety requirements.

Standard No. and year	Title, scope and purport
SANS 12216:2008/ ISO 12216:2002	<i>Small craft – Windows, portlights, hatches, deadlights and doors – Strength and watertightness requirements.</i> Specifies technical requirements for windows, portlights, hatches, deadlights and doors on small craft of hull length up to 24 m, taking into account the type of craft, its design category, and the location of the appliance. The appliances considered are only those that are critical for the craft's watertightness, i.e. those that could lead to flooding in case of rupture of the plate. Is mostly intended to be used for recreational craft, but it may be used for non-recreational small craft of hull length up to 24 m, excluding lifeboats. Is not applicable to commercial or work boats used in severe conditions.
SANS 12217-1:2008/ ISO 12217-1:2002	<i>Small craft – Stability and buoyancy assessment and categorization – Part 1: Non-sailing boats of hull length greater than or equal to 6 m.</i> Specifies methods for evaluating the stability and buoyancy of intact (i.e. undamaged) boats. The flotation characteristics of boats vulnerable to swamping are also encompassed. Is principally applicable to boats propelled by human or mechanical power of 6 m up to and including 24 m hull length. Does not include or evaluate the effects on stability of towing, fishing, dredging or lifting operations, which should be separately considered, if appropriate.
SANS 12217-3:2008/ ISO 12217-3:2002	<i>Small craft – Stability and buoyancy assessment and categorization – Part 3: Boats of hull length less than 6 m.</i> Specifies methods for evaluating the stability and buoyancy of intact (i.e. undamaged) boats. The flotation characteristics of craft vulnerable to swamping are also encompassed. Is applicable to boats of hull length less than 6 m, whether propelled by human or mechanical power, except habitable sailing multihulls. Does not include or evaluate the effects on stability of towing, fishing, dredging or lifting operations, which should be separately considered, if appropriate.
SANS 12620:2008/ ISO 12620:1999	<i>Computer applications in terminology – Data categories.</i> Specifies data categories for recording terminological information in computerized and non-computerized environments and for the interchange and retrieval of terminological information independent of the local software applications or hardware environments in which these data categories are used.
SANS 13297:2008/ ISO 13297:2000	<i>Small craft – Electrical systems – Alternating current installations.</i> Specifies the requirements for the design, construction and installation of low-voltage alternating current electrical systems that operate at nominal voltages of less than 250 V single phase on small craft of hull length up to 24 m. Does not cover three-phase installations.
SANS 13590:2008/ ISO 13590:2003	<i>Small craft – Personal watercraft – Construction and system installation requirements.</i> Applies to personal watercraft as defined in this standard, for the construction and installation of builder's plate, permanently installed petrol fuel systems, electrical systems, steering systems, ventilation, hull structure and flotation. Includes requirements for stability, freeboard and an owner's manual.
SANS 13919:2008/ ISO 13929:2001	<i>Small craft – Steering gear – Geared link systems.</i> Specifies the minimum level of requirements for construction, operation and installation of geared link steering systems on all types of small craft of hull length up to 24 m. Excludes steering systems covered by ISO 8848 and ISO 9775 (published in South Africa as identical adoptions under the designation SANS 8848 and SANS 9775, respectively).
SANS 13934-2:2008/ ISO 13934-2:1999	<i>Textiles – Tensile properties of fabrics – Part 2: Determination of maximum force using the grab method.</i> Specifies a procedure for the determination of maximum force of textile fabrics known as the grab test.
SANS 14518:2008/ ISO 14518:2005	<i>Cranes – Requirements for test loads.</i> Establishes methods for composition and measurement of test loads and procedures for the application of test loads during the testing of cranes. Covers the types of cranes described in ISO 4306-1.
SANS 14520-5:2008/ ISO 14520-5:2006	<i>Gaseous fire-extinguishing systems – Physical properties and system design – Part 5: FK-5-1-12 extinguishant.</i> Gives specific requirements for gaseous fire-extinguishing systems, with respect to the FK-5-1-12 extinguishant. Includes details of physical properties, specification, usage and safety aspects and is applicable to systems operating at nominal pressures of 25 bar and 42 bar with nitrogen propellant. Does not preclude the use of other systems.
SANS 14895:2008/ ISO 14895:2000	<i>Small craft – Liquid-fuelled galley stoves.</i> Specifies the design and installation of permanently installed galley stoves using fuels which are liquids at atmospheric pressure on small craft of hull length up to 24 m. Does not cover cooking appliances designed or intended solely as portable self-contained camping stoves.
SANS 14946:2008/ ISO 15614-4:2005	<i>Small craft – Maximum load capacity.</i> Lists items to be included in the maximum load of small craft without exceeding the limits for stability, freeboard, flotation and crew. Sets requirements for seating of crew members.
SANS 15083:2008/ ISO 15083:2003	<i>Small craft – Bilge-pumping systems.</i> Specifies requirements for pumping or alternative means designed to remove normal accumulations of bilge water for small craft with a hull length of up to 24 m. Does not set requirements for bilge pumps or bilge-pumping systems designed for damage control.
SANS 15084:2008/ ISO 15084:2003	<i>Small craft – Anchoring, mooring and towing – Strong points.</i> Specifies requirements for strong points for attaching chains, cables and lines for anchoring, mooring and towing small craft. Does not specify the requirement for any strong point from which the craft can tow other vessels. Is applicable to small craft of hull length up to 24 m. Does not define anchor weights or the length of chains and lines.
SANS 15085:2008/ ISO 15085:2003	<i>Small craft – Man-overboard prevention and recovery.</i> Specifies the design as well as the construction and strength requirements for safety devices and arrangements intended to minimize the risk of falling overboard, and requirements to facilitate reboarding. Describes means which can be used individually or combined to achieve these objectives, and applies to small craft of up to 24 m length of hull. Is not applicable to aquatic toys, canoes, kayaks, or other boats with a beam less than 1,1 m, personal watercraft, and inflatable boats with a hull length of less than 8 m.
SANS 15459-1:2008/ ISO/IEC 15459:2006	<i>Information technology – Unique identifiers – Part 1: Unique identifiers for transport units.</i> Specifies a unique, non-significant, string of characters for the identification of transport units. The character string is intended to be represented in a bar code label or other AIDC media attached to the item to meet item management needs. To address management needs different classes of items are recognized in the various parts of ISO/IEC 15459, which allows different requirements to be met by the unique identifiers associated with each class. The rules for the unique identifier for transport units, to identify physical logistical transfers, with the identity relevant for the duration of one or more items in the load being held or transported as part of that load, are defined and supported by an example.

Standard No. and year	Title, scope and purport
SANS 15459-2:2008/ ISO/IEC 15459-2:2006	<i>Information technology – Unique identifiers – Part 2: Registration procedures.</i> Specifies the procedural requirements to maintain a non-significant, unique identifier for item management applications, and outlines the obligations of the Registration Authority and Issuing Agencies.
SANS 15584:2008/ ISO 15584:2001	<i>Small craft – Inboard petrol engines – Engine-mounted fuel and electrical components.</i> Specifies requirements for the design and installation of engine-mounted fuel and electrical system components on inboard petrol engines for minimizing fuel leakage and protecting against ignition of surrounding flammable gases on small craft of hull length up to 24 m. Engines in personal watercraft as defined by ISO 13590 (published in South Africa as an identical adoption under the designation SANS 13590) and outboard engines are exempt from the application of this standard.
SANS 15614-4:2008/ ISO 15614-4:2005	<i>Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 4: Finishing welding of aluminium castings.</i> Specifies how a welding procedure specification for finishing welding of aluminium castings is qualified by welding procedure tests. Does not apply to repair welding.
SANS 15614-5:2008/ ISO 15614-5:2004	<i>Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 4: Finishing welding of aluminium castings.</i> Specifies how a welding procedure specification for finishing welding of aluminium castings is qualified by welding procedure tests. Does not apply to repair welding.
SANS 15614-6:2008/ ISO 15614-6:2006	<i>Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 6: Arc and gas welding of copper and its alloys.</i> Specifies preliminary welding procedures and also defines the conditions for the execution of welding procedure tests and the range of qualification for welding procedures for all practical welding operations. It applies to the arc and gas welding of copper and copper alloys in all product forms.
SANS 15614-7:2008/ ISO 15614-7:2007	<i>Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 7: Overlay welding.</i> Specifies preliminary welding procedures and also defines the conditions for the execution of welding procedure tests and the range of qualification for welding procedures for all practical welding operations. It does not apply to overlay welding where cracks are intentionally produced (e.g. special handcarving applications).
SANS 15614-8:2008/ ISO 15614-8:2002	<i>Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 8: Welding of tubes to tube-plate joints.</i> Specifies requirements for the qualification testing of welding procedures for the arc welding of tube to tube-plate joints in metallic materials by manual, partly mechanized, mechanized or automatic processes. It does not apply to tube-sheets with forged end connections with welded tubes (external/internal bore welds).
SANS 15614-10:2008/ ISO 15614-10:2005	<i>Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 10: Hyperbaric dry welding.</i> Specifies minimum testing requirements and how to qualify welding procedure specifications for welding in dry environment.
SANS 15614-11:2008/ ISO 15614-11:2002	<i>Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 11: Electron and laser beam welding.</i> Defines the conditions for the execution of welding procedure qualification tests and the limit of validity of a qualified welding procedure for all practical welding operations. It also specifies how a welding procedure specification for electron or laser beam is qualified by a welding procedure test.
SANS 15614-12:2008/ ISO 15614-12:2004	<i>Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 12: Spot, seam and projection welding.</i> Specifies the tests which may be used for qualification of welding procedure specifications for spot, seam and projection welding processes and also defines the conditions for carrying out tests and the limits for validity of a qualified welding procedure.
SANS 15614-13:2008/ ISO 15614-13:2005	<i>Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 13: Resistance butt and flash welding.</i> Applies to resistance butt welding and flash welding of metallic materials, e.g. with solid, tubular, flat or circular cross section and also defines the conditions for carrying out tests and the limits of validity of a qualified welding procedure for all practical welding operations.
SANS 15652:2008/ ISO 15652:2003	<i>Small craft – Remote steering systems for inboard mini jet boats.</i> Specifies the minimum level of requirements for construction, operation and installation of remote steering systems for all small inboard jet boats weighing less than 1 000 kg, excluding water scooters.
SANS 16147:2008/ ISO 16147:2002	<i>Small craft – Inboard diesel engines – Engine-mounted fuel and electrical components.</i> Establishes requirements for the design and installation of engine-mounted fuel and electrical components on diesel inboard-mounted engines for minimizing fuel leakage and the risk or the spread (or both) of fire on small craft of hull length up to 24 m.
SANS 18000-7:2008/ ISO/IEC 18000-7:2008	<i>Information technology – Radio frequency identification for item management – Part 7: Parameters for active air interface communications at 433 MHz.</i> Defines the air interface for radio-frequency identification (RFID) devices operating as an active RF Tag in the 433 MHz band used in item management applications. Its purpose is to provide a common technical specification for RFID devices that may be used by ISO committees developing RFID application standards. Is intended to allow for compatibility and to encourage inter-operability of products for the growing RFID market in the international marketplace. Defines the forward and return link parameters for technical attributes including, but not limited to, operating frequency, operating channel accuracy, occupied channel bandwidth, maximum power, spurious emissions, modulation, duty cycle, data coding, bit rate, bit rate accuracy, bit transmission order, and, where appropriate, operating channels, frequency hop rate, hop sequence, spreading sequence, and chip rate. Defines the communications protocol used in the air interface.
SANS 18013-2:2008/ ISO/IEC 18013-2:2008	<i>Information technology – Personal identification – ISO-compliant driving licence – Part 2: Machine-readable technologies.</i> Establishes guidelines for the content and formatting of data stored on an ISO compliant driving licence (IDL) using machine-readable technologies. Creates a common basis for the international use of IDL data without restricting individual domestic or regional driver licensing authorities from applying their specific data policies. Specifies mandatory and optional machine-readable data, the logical data structure and encoding methods for cases where the memory capacity available to the IDL application does not exceed 5 kB, integrated circuits (contactless and those with contacts) and optical memory.

Standard No. and year	Title, scope and purport
SANS 18044:2008/ ISO/IEC TR 18044:2004	<i>Information technology – Security techniques – Information security incident management.</i> Provides advice and guidance on information security incident management for information security managers and for information system managers and information on the benefits from key issues associated with a good information security incident management approach; describes the planning and documentation required to introduce a good structured information security incident management approach and the co-ordination of effective responses with extensive technical and procedural preparations.
SANS 18046-3:2008/ ISO/IEC 18046-3:2007	<i>Information technology – Radio frequency identification device performance test methods – Part 3: Test methods for tag performance.</i> Defines test methods for performance characteristics of RFID tags for item management, and specifies the general requirements and test requirements for tags which are applicable to the selection of the devices for an application. The summary of the test reports form a unified tag datasheet. It does not apply to testing in relation to regulatory or similar requirements.
SANS 19785-3:2008/ ISO/IEC 19785-3:2007	<i>Information Technology – Common biometric exchange formats framework – Part 3: Patron format specifications.</i> Specifies and publishes registered CBEFF patron formats as defined by the requirements in ISO/IEC 19785-1 (published in South Africa as SANS 19785-1) resulting in full ASN.1 Object Identifiers. CBEFF establishes mechanisms by which organizations, called "patron formats" develop BIR specifications that are fully standardized and interoperable and specifically adapted to the requirements of a particular application environment. CBEFF defines mandatory data elements that identify the format of a BDB and its security attributes (encryption and integrity).
SANS 20119:2008/ ECE R119:2005	<i>Uniform provisions concerning the approval of cornering lamps for power-driven vehicles.</i> Applies to cornering lamps for vehicles of categories M, N and T.
SANS 21003-1:2008/ ISO 21003-1:2007	<i>Multilayer piping systems for hot and cold water installations inside buildings – Part 1: General.</i> Specifies the general aspects of multilayer piping systems intended to be used for hot and cold water installations within buildings for the conveyance of water whether or not intended for human consumption (domestic systems) and for heating systems, under design pressures and temperatures according to the class of application.
SANS 21003-2:2008/ ISO 21003-2:2007	<i>Multilayer piping systems for hot and cold water installations inside buildings – Part 2: Pipes.</i> Specifies the characteristics of pipes for multilayer piping systems intended to be used for hot and cold water installations inside buildings for the conveyance of water whether or not intended for human consumption (domestic systems) and for heating systems, under design pressures and temperatures appropriate to the class of application.
SANS 21003-3:2008/ ISO 21003-3:2007	<i>Multilayer piping systems for hot and cold water installations inside buildings – Part 3: Fittings.</i> Specifies the characteristics of fittings for multilayer piping systems intended to be used for hot and cold water installations inside buildings for the conveyance of water whether or not intended for human consumption (domestic systems) and for heating systems, under design pressures and temperatures appropriate to the class of application.
SANS 21003-5:2008/ ISO 21003-5:2007	<i>Multilayer piping systems for hot and cold water installations inside buildings – Part 5: Fitness for purpose of the system.</i> Specifies the characteristics for the fitness for purpose of multilayer piping systems intended to be used for hot and cold water installations inside buildings for the conveyance of water whether or not intended for human consumption (domestic systems) and for heating systems, under design pressures and temperatures according to the class of application.
SANS 21138-1:2008/ ISO 21138-1:2007	<i>Plastics piping systems for non-pressure underground drainage and sewerage – Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) – Part 1: Material specifications and performance criteria for pipes, fittings and system.</i> Specifies the definitions and requirements for pipes, fittings and the system based on unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) structured-wall piping systems in the field of non-pressure underground systems for underground drainage and sewerage.
SANS 21138-2:2008/ ISO 21138-2:2007	<i>Plastics piping systems for non-pressure underground drainage and sewerage – Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) – Part 2: Pipes and fittings with smooth external surface, Type A.</i> Specifies definitions, requirements, test methods and test parameters for pipes with a smooth external surface (Type A), fittings and systems based on unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) structured-wall piping in the field of non-pressure systems for underground drainage and sewerage. Gives recommendations concerning colours. Applies to pipes and fittings with or without an integral socket.
SANS 21138-3:2008/ ISO 21138-3:2007	<i>Plastics piping systems for non-pressure underground drainage and sewerage – Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) – Part 3: Pipes and fittings with non-smooth external surface, Type B.</i> Specifies the definitions and requirements for pipes with a non-smooth external surface (Type B), fittings and systems based on unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) structured-wall piping systems in the field of non-pressure systems for underground drainage and sewerage.
SANS 23711:2008/ ISO 23711:2003	<i>Elastomeric seals – Requirements for materials for pipe joint seals used in water and drainage applications – Thermoplastic elastomers.</i> Specifies requirements for materials used for moulded seals made of thermoplastic elastomers (TPEs) for joints in thermoplastic piping systems for non-pressure waste water discharge (intermittent flow at up to 95 degrees celsius) inside buildings, underground drainage and sewerage (continuous flow at up to 45 degrees celsius and intermittent flow up to 95 degrees celsius), and thermoplastic rainwater piping systems.
SANS 24610-1:2008/ ISO 24610-1:2006	<i>Language resource management – Feature structures – Part 1: Feature structure representation.</i> Provides a format for the representation, storage and exchange of feature structures in natural language applications concerned with the annotation, production or analysis of linguistic data. Also defines a computer format for the description of constraints that bear on a set of features, feature values, feature specifications and operations on feature structures, thus offering a means of checking the conformance of each feature structure with regard to a reference specification.

Standard No. and year	Title, scope and purport
SANS 24744:2008/ ISO/IEC 24744:2007	<i>Software engineering – Metamodel for development methodologies.</i> Defines the software engineering metamodel for development methodologies (SEMDM), which establishes a formal framework for the definition and extension of development methodologies for information-based domain (IBD), such as software, business or systems, including three major aspects: the process to follow, the work products to use and generate, and the people and tools involved. This metamodel can serve as a formal basis for the definition and extension of any IBD development methodology and of any associated metamodel, and will be typically used by method engineers while undertaking such definition and extension tasks.
SANS 24762:2008/ ISO/IEC 24762:2008	<i>Information technology – Security techniques – Guidelines for information and communications technology disaster recovery services.</i> Provides guidelines on the provision of information and communications technology disaster recovery (ICT DR) services as part of business continuity management, applicable to both "in-house" and "outsourced" ICT DR service providers of physical facilities and services. Specifies requirements for implementing, operating, monitoring and maintaining ICT DR services and facilities; the capabilities of outsourced providers; practices to follow to provide basic secure operating environment and facilitate recovery efforts.
SANS 24774:2008/ ISO/IEC TR 24774:2007	<i>Software and systems engineering – Life cycle management – Guidelines for process description.</i> Describes process models for a range of purposes including process implementation and assessment. The terms and descriptions used in such models vary in format, content and level of prescription. It presents guidelines for the elements used most frequently in describing a process: the title, purpose statement, outcomes, activities and tasks. Whilst the primary purpose of this standard is to encourage consistency in standard process reference models, the guidelines it provides may be applied to any process model developed for any purpose.
SANS 25001:2008/ ISO/IEC 25001:2007	<i>Software engineering – Software product Quality Requirements and Evaluation (SQuaRE) – Planning and management.</i> Provides details about the planning and management requirements associated with software product quality requirements and evaluation. While it is mainly concerned with product quality requirements and evaluation, wherever it is relevant the corresponding process requirements and evaluation activities are also discussed. It also aims to clarify the requirements which should be identified by the organization in order to ensure the success of specifying quality requirements and executing the evaluation. It is intended to be used in conjunction with the other parts of the SQuaRE series (ISO/IEC 25000(SANS 25000)-ISO/IEC 25051(SANS 25051)) of International Standards, and with ISO/IEC 14598(SANS 14598) series and ISO/IEC 9126-1(SANS 9126-1) until superseded by the ISO/IEC 25000 (SANS 25000) series of International Standards.
SANS 25020:2008/ ISO/IEC 25001:2007	<i>Software engineering – Software product Quality Requirements and Evaluation (SQuaRE) – Measurement reference model and guide.</i> Provides a measurement reference model and guide for measuring the quality characteristics. It sets requirements for the selection and construction of quality measures. It also contains informative annexes addressing the following topics: criteria for selecting software quality measures and quality measure elements, demonstrating predictive validity and assessing measurement reliability, and an example format for documenting software quality measures.
SANS 25021:2008/ ISO/IEC TR 25021:2007	<i>Software engineering – Software product Quality Requirements and Evaluation (SQuaRE) – Quality measure elements.</i> Defines the set of quality measure elements to be used throughout the software product life cycle for the purpose of Software Product Quality Requirement and Evaluation (SQuaRE). While some quality measure elements can be used as standalone quality measures, their main purpose is to be the building blocks for other SQuaRE measurements as described in ISO/IEC TR 9126-2(SANS 9126-2), ISO/IEC TR 9126-3(SANS 9126-3) and ISO/IEC TR 9126-4(SANS 9126-4). It also constitutes the link between ISO/IEC 9126 and the subsequent SQuaRE series of standards. This standard contains informative annexes documenting the cross-reference relationship between the quality measure elements and quality measures, characteristics and subcharacteristics defined in ISO/IEC 9126.
SANS 25030:2008/ ISO/IEC 25030:2007	<i>Software engineering – Software product Quality Requirements and Evaluation (SQuaRE) – Quality requirements.</i> Provides requirements and recommendations for the specification of software product quality requirements. It applies to organisations in their role as both acquirers and suppliers. It focuses on software quality requirements, but takes a system perspective since software is normally developed and applied as part of a larger system.
SANS 25599:2008/ ISO/TR 25599:2005	<i>Cranes – Jib cranes – International standards for design, manufacturing, use and maintenance requirements and recommendations.</i> Collects the design, manufacturing, use and maintenance requirements and recommendations for jib cranes in ISO and IEC standards.
SANS 26702:2008/ ISO/IEC 26702:2007	<i>Systems engineering – Application and management of the systems engineering process.</i> Defines the interdisciplinary tasks which are required throughout a system's life cycle to transform customer needs, requirements and constraints into a system solution. In addition, it specifies the requirements for the systems engineering process and its application throughout the product life cycle. Focuses on engineering activities necessary to guide product development, while ensuring that the product is properly designed to make it affordable to produce, own, operate, maintain and eventually dispose of without undue risk to health or the environment.
SANS 27002:2008/ ISO/IEC 27002:2005	<i>Information technology – Security techniques – Code of practice for information security management.</i> Sets out guidelines and general principles for initiating, implementing, maintaining, and improving information security management in an organization. Contains best practices regarding control objectives and controls in information security management.
SANS 42010:2008/ ISO/IEC 42010:2007	<i>Systems and software engineering – Recommended practice for architectural description and software-intensive systems.</i> Addresses the activities of the creation, analysis and sustainment of architectures of software-intensive systems, and the recording of such architectures in terms of architectural descriptions. ISO/IEC 42010:2007 establishes a conceptual framework for architectural description and defines the content of an architectural description. Annexes provide the rationale for key concepts and terminology, the relationships to other standards and examples of usage.
SANS 50443:2008/ EN 443:2008	<i>Helmets for fire fighting in buildings and other structures.</i> Specifies minimum requirements for fire fighters' helmets protecting the upper head mainly against the effects of impact, penetration, heat and flame, whilst firefighting in buildings and other structures.
SANS 51124-1:2008/ EN 1124-1:1999	<i>Pipes and fittings of longitudinally welded stainless steel pipes with spigot and socket for waste water systems – Part 1: Requirements, testing, quality control.</i> Specifies requirements, tests and quality control for longitudinally welded, stainless steel pipes and fittings with spigot and socket for use in water systems usually operating under gravity or at a low head of pressure.

Standard No. and year	Title, scope and purport
SANS 51124-2:2008/ EN 1124-2:2007	<i>Pipes and fittings of longitudinally welded stainless steel pipes with spigot and socket for waste water systems – Part 2: System S – Dimensions.</i> Applies to pipes and fittings of longitudinally welded stainless steel pipes with spigot and socket for waste water systems. Specifies dimensions and tolerances for pipes, fittings and pipe connectors and establishes a system of designations for the different pipe and pipe fitting types that conform to the stated requirements.
SANS 51124-3:2008/ EN 1124-3:1999	<i>Pipes and fittings of longitudinally welded stainless steel pipes with spigot and socket for waste water systems – Part 3: System X – Dimensions.</i> Applies to pipes and fittings of longitudinally welded stainless steel pipes with spigot and socket for waste water systems. It specifies dimensions, tolerances and seals of System X.
SANS 52931:2008/ EN 12931:2000	<i>Chemicals used for treatment of water intended for human consumption – Chemicals for emergency use – Sodium dichloroisocyanurate, anhydrous.</i> Applicable to sodium dichloroisocyanurate anhydrous used for emergency treatment of water intended for human consumption. Describes the characteristics of anhydrous sodium dichloroisocyanurate anhydrous and specifies the requirements and the corresponding test methods for sodium dichloroisocyanurate anhydrous. It also gives information on its use in water treatment.
SANS 52932:2008/ EN 12932:2000	<i>Chemicals used for treatment of water intended for human consumption – Chemicals for emergency use – Sodium dichloroisocyanurate, dihydrate.</i> Applicable to sodium dichloroisocyanurate dihydrate used for emergency treatment of water intended for human consumption. Describes the characteristics of sodium dichloroisocyanurate dihydrate and specifies the requirements and the corresponding test methods for sodium dichloroisocyanurate dihydrate. It also gives information on its use in water treatment.
SANS 52933:2008/ EN 12933:2000	<i>Chemicals used for treatment of water intended for human consumption – Chemicals for emergency use – Trichloroisocyanuric acid.</i> Applicable to trichloroisocyanuric acid used for emergency treatment of water intended for human consumption. Describes the characteristics of trichloroisocyanuric acid and specifies the requirements and the corresponding test methods for trichloroisocyanuric acid. It also gives information on its use in water treatment.
SANS 53763-2:2008/ EN 13763-2:2002	<i>Explosives for civil uses – Detonators and relays – Part 2: Determination of thermal stability.</i> Specifies a method for determining the thermal stability of electric detonators, non-electric detonators, surface connectors, detonating cord relays and shock tubes for use with non-electric detonators.
SANS 53763-3:2008/ EN 13763-3:2002	<i>Explosives for civil uses – Detonators and relays – Part 2: Determination of thermal stability.</i> Specifies a method for determining the thermal stability of electric detonators, non-electric detonators, surface connectors, detonating cord relays and shock tubes for use with non-electric detonators.
SANS 53763-4:2008/ EN 13763-4:2003	<i>Explosives for civil uses – Detonators and relays – Part 4: Determination of resistance to abrasion of leading wires and shock tubes.</i> Specifies a method for determining the resistance to abrasion of plastics used as insulating material for leading wires of electric detonators, or used as base material for tubing of shock tube non-electric detonators.
SANS 53763-5:2008/ EN 13763-5:2003	<i>Explosives for civil uses – Detonators and relays – Part 5: Determination of resistance to cutting damage of leading wires and shock tubes.</i> Specifies a method for determining the resistance to failure of the plastic materials used in insulation of leading wires of electric detonators, or the tubing of shock tube non-electric detonators, when drawn over a sharp edge under specified loading conditions.
SANS 53763-6:2008/ EN 13763-6:2003	<i>Explosives for civil uses – Detonators and relays – Part 6: Determination of resistance to cracking in low temperatures of leading wires.</i> Specifies a method for determining the resistance to cracking at low temperatures of leading wire insulation of detonators. It is only applicable to electric detonators with plastic covered leading wires.
SANS 53763-7:2008/ EN 13763-7:2003	<i>Explosives for civil uses – Detonators and relays – Part 7: Determination of the mechanical strength of leading wires, shock tubes, connections, crimps and closures.</i> Specifies a method for determining the ability of detonator leading wires/shock tubes, and their connections into the crimp/closure or sealing arrangement, to withstand a pullout when subjected to a pulling force.
SANS 53763-8:2008/ EN 13763-8:2003	<i>Explosives for civil uses – Detonators and relays – Part 8: Determination of the resistance of plain detonators.</i> Specifies a method for assessing the ability of the explosive content of plain detonators to withstand the vibration likely to be experienced in normal use and handling.
SANS 53763-11:2008/ EN 13763-11:2003	<i>Explosives for civil uses – Detonators and relays – Part 11: Determination of resistance to damage by dropping of detonators and relays.</i> Specifies methods for checking that a detonator, relay or surface connector will not explode when accidentally dropped onto a hard surface.
SANS 53763-15:2008/ EN 13763-15:2004	<i>Explosives for civil uses – Detonators and relays – Part 15: Determination of equivalent initiating capability.</i> Specifies a method of determining the equivalent initiating capability of detonators. It also specifies a functioning test (after storage) at high and low temperatures. The document is not applicable to surface connectors or detonating cord relays.
SANS 53763-19:2008/ EN 13763-19:2003	<i>Explosives for civil uses – Detonators and relays – Part 19: Determination of firing impulse of electric detonators.</i> Specifies a method for determining the all-fire-impulse and the no-fire impulse of electric detonators.
SANS 53763-21:2008/ EN 13763-21:2003	<i>Explosives for civil uses – Detonators and relays – Part 21: Determination of flash-over voltage of electric detonators.</i> Specifies a method of determining the flash-over voltage of electric detonators.
SANS 53783-24:2008/ EN 13763-24:2002	<i>Explosives for civil uses – Detonators and relays – Part 24: Determination of the electrical non-conductivity of shock tube.</i> Specifies methods of determining the electrical insulation resistance (non-conductivity) and the electrical flash-over distance of shock tubes for use with non-electric detonators.
SANS 53857-1:2008/ EN 13857-1:2003	<i>Explosives for civil uses – Part 1: Terminology.</i> Defines the key technical terms used in the European Standards developed in the field of explosives for civil uses.

Standard No. and year	Title, scope and purport
SANS 55531-1:2008/ CEN/TS 15531-1:2007	<i>Public transport – Service interface for real-time information relating to public transport operations – Part 1: Context and framework.</i> Specifies a Service Interface for Real-time Information (SIRI) about public transport. Intended to be used to exchange information between servers containing real-time public transport vehicle or journey time data. These include the control centres of transport operators and information systems that utilize real-time vehicle information.
SANS 55531-2:2008/ CEN/TS 15531-2:2007	<i>Public transport – Service interface for real-time information relating to public transport operations – Part 2: Communications infrastructure.</i> Specifies a Service Interface for Real-time Information (SIRI) about public transport with the use of a consistent set of general communication protocols to exchange information between client and server. The same pattern of message exchange may be used to implement different specific functional interfaces as sets of concrete message content types. Two specific patterns of client server interaction are used for data exchange in SIRI, namely, request/response and publish/subscribe. For the delivery of data in responses, SIRI supports two common patterns of message exchange: direct delivery and fetched delivery. Each delivery method may either be preconfigured and static for a given implementation or each request may indicate the delivery method required.
SANS 55531-3:2008/ CEN/TS 15531-3:2007	<i>Public transport – Service interface for real-time information relating to public transport operations – Part 3: Functional service interfaces.</i> Approaches SIRI as an open-ended set of standard data structures, carried over a communications channel constructed using one of a small number of specific options. Specifies a number of functional modules, based on the 'use cases' identified in Annex B to Part 1. Messages are assigned validity periods to be sent or be revoked. Enables the provision of information on the planned progress of vehicle operating service on a planned route, the actual progress, expected arrival and departure times, journeys to be cancelled, added or changed.
SANS 60034-29:2008/ IEC 60034-29:2008	<i>Rotating electrical machines – Part 29: Equivalent loading and superposition techniques – Indirect testing to determine temperature rise.</i> Applies to machines covered by IEC 60034-1 (published in South Africa as an identical adoption under the designation SANS 60034-1) when they cannot be loaded to a specific condition (rated or otherwise). Is applicable to both motors and generators.
SANS 60076-6:2008/ ISO/TS 23081-2:2007	<i>Power transformers – Part 6: Reactors.</i> Specifies requirements for the following types of reactors: shunt reactors; series reactors including current-limiting reactors, neutral-earthing reactors, power flow control reactors, motor starting reactors, arc-furnace series reactors; filter (tuning) reactors; capacitor damping reactors; capacitor discharge reactors; earthing transformers (neutral couplers); arc-suppression reactors; smoothing reactors for HVDC and industrial application; with the exception of the following reactors: reactors with a rating less than 1 kvar single-phase and 5 kvar three-phase; reactors for special purposes such as high-frequency line traps or reactors mounted on rolling stock.
SANS 60076-15:2008/ IEC 60076-15:2008	<i>Power transformers – Part 15: Gas-filled power transformers.</i> Applies to gas-filled power transformers (including auto-transformers). Applies to all construction technologies.
SANS 60794-2-50:2008/ IEC 60794-2-50:2008	<i>Optical fibre cables – Part 2-50: Indoor cables – Family specification for simplex and duplex cables for use in terminated cable assemblies.</i> Covers requirements for simplex and duplex optical fibre cables for use in terminated cable assemblies or for termination with optical fibre passive components.
SANS 60794-3-11:2008/ IEC 60794-3-11:2007	<i>Optical fibre cables – Part 3-11: Outdoor cables – Detailed specification for duct and directly buried single-mode optical fibre telecommunication cables.</i> Sets forth technical requirements and characteristics of single-mode optical fibre cables for duct and direct buried installation. Includes functional mechanical, environmental and optical requirements, recommended features and test methods for assessing the product against the stated requirements.
SANS 61800-5-2:2008/ IEC 61800-5-2:2007	<i>Adjustable speed electrical power drive systems – Part 5-2: Safety requirements – Functional.</i> Specifies requirements and makes recommendations for the design and development, integration and validation of safety-related power-drive-systems [PDS(SR)s] in terms of their functional safety considerations. Applies to adjustable speed electric drive systems covered by the other parts of the SANS 61800 series, and sets out safety-related considerations of PDS in terms of the framework of IEC 61508.
SANS 61982-1:2008/ IEC 61982-1:2006	<i>Secondary batteries for the propulsion of electric road vehicles – Part 2: Dynamic discharge performance test and dynamic endurance test.</i> Specifies tests and requirements for capacity and endurance tests for secondary batteries used for vehicle propulsion applications. Specifies certain essential characteristics of cells and batteries used for propulsion of electric road vehicles together with the relevant test methods for their specification.
SANS 62034:2008/ IEC 62034:2006	<i>Automatic test systems for battery powered emergency escape lighting.</i> Specifies the basic performance and safety requirements for individual products and components that are incorporated into automatic test systems for use with emergency lighting systems on supply voltages not exceeding 1000 V. Also applicable to testing systems consisting of a number of emergency lighting self-contained luminaires or a central battery with associated emergency lighting luminaires.
SANS 62129:2008/ IEC 62129:2006	<i>Calibration of optical spectrum analyzers.</i> Provides procedures for calibrating an optical spectrum analyzer designed to measure the power distribution of an optical spectrum. Equipped with an input port for use with a fibre-optic connector.
SANS 62552:2008/ IEC 62552:2007	<i>Household refrigerating appliances – Characteristics and test methods.</i> Specifies the essential characteristics of household refrigerating appliances, factory-assembled and cooled by internal natural convection or forced air circulation, and establishes test methods for checking the characteristics.
SANS 302217-2-2:2008/ ETSI EN 302217-3:2005	<i>Fixed Radio Systems; Characteristics and requirements for point-to-point equipment and antennas – Part 2-2: Harmonized EN covering essential requirements of Article 3.2 of R&TTE Directive for digital systems operating in frequency bands where frequency co-ordination is applied.</i> Specifies the essential requirements for Digital Fixed Radio Systems (DFRS) operating in frequency bands, which require co-ordinated frequency planning.
SANS 302217-3:2008/ ETSI EN 302217-3:2005	<i>Fixed Radio Systems; Characteristics and requirements for point-to-point equipment and antennas – Part 3: Harmonized EN covering essential requirements of Article 3.2 of R&TTE Directive for equipment operating in frequency bands where no frequency co-ordination is applied.</i> Specifies the essential requirements for Digital Fixed Radio Systems (DFRS) operating in frequency bands, which do not require co-ordinated frequency planning.

Standard No. and year	Title, scope and purport
SANS 302217-4-2:2008/ ETSI EN 302217-4-2:2006	<i>Fixed Radio Systems; Characteristics and requirements for point-to-point equipment and antennas – Part 4-2: Harmonized EN covering essential requirements of Article 3.2 of R&TTE Directive for antennas.</i> Applicable to fixed radio system products with integral antennas, as well as to separate antenna products, to which only the relevant technical requirements apply.
SANS 100099:2008/ ISO/IEC Guide 99:2007	<i>International vocabulary of metrology – Basic and general concepts and associated terms (VIM).</i> In this vocabulary, a set of definitions and associated terms is given, in English and French, for a system of basic and general concepts used in metrology, together with concept diagrams to demonstrate their relations. Additional information is given in the form of examples and notes under many definitions.
SANS 302326-2:2008/ ETSI EN 302326-2:2006	<i>Fixed Radio Systems; Multipoint Equipment and Antennas – Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive for Digital Multipoint Radio Equipment.</i> Applicable to the essential requirements of equipment (including equipment with integral antennas) used in Multipoint (MP) Digital Fixed Radio Systems (DFRS).
SANS 302323-3:2008/ ETSI EN 302326-3:2006	<i>Fixed Radio Systems; Multipoint Equipment and Antennas – Part 3: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive for Multipoint Radio Antennas.</i> Applicable to the essential requirements of equipment (including equipment with integral antennas) used in fixed multipoint radio systems intended for use in the frequency bands identified in EN 302326-1.

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 4:2008 (Ed. 3.3)	<i>Locks, latches, and associated furniture for doors (Domestic Type). Consolidated edition incorporating amendment No. 3.</i> Amended to change the designation of SABS standards to SANS standards, to remove reference to the standardization mark and to update the definition of "acceptable" and the referenced standards.
SANS 13:2008 (Ed. 2.3)	<i>Wax polish, solvent-based, for floors and furniture. Consolidated edition incorporating amendment No. 3.</i> Amended to update the applicable standards and to remove reference to national legislation from the text.
SANS 15:1008 (Ed. 2.3)	<i>Wax emulsion polish for floors and furniture. Consolidated edition incorporating amendment No. 3.</i> Amended to update the applicable standards and to remove reference to national legislation from the text.
SANS 24:2008 (Ed. 4.1)	<i>Soft solders. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable", to update the referenced standards, and to delete reference to the certification mark.
SANS 25:2008 (Ed. 2.1)	<i>Zinc alloy ingots for die-castings. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable", and to update a referenced standard.
SANS 26:2008 (Ed. 2.1)	<i>Zinc alloy die-castings. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable", to delete reference to the SABS and the standardization mark scheme, and to update a referenced standard.
SANS 27:2008/ EN 10202:2001	<i>Cold reduced tinmill products – Electrolytic tinplate and electrolytic chromium/chromium oxide coated steel.</i> Specifies requirements for tinmill products in the form of sheets or coils for subsequent cutting into sheets, consisting of single and double reduced low carbon mild steel products electrolytically coated with either tin (tinplate) or chromium/chromium oxide (ECCS). Applies to coils and sheets cut from coils in nominal minimum widths of 600 mm. <i>ISO corrigendum No. 1.</i> Corrected to add reference to a superseded standard in the title page and foreword, to modify the introductory paragraph to normative references, and to correct editorial errors made to steel grade designations, formula, keys to the figures in annex E and codes in annex H.
SANS 77:2008 (Ed. 3.3)	<i>Wooden handles for brooms, hay-forks, and rakes (including general requirements for other wooden handles for tools). Consolidated edition incorporating amendment No. 3.</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", and to update referenced standards.
SANS 99:2008 (SABS 99:1976)	<i>White chalks.</i> Specifies the requirements for soft, hard and soft dust-free white chalks.
SANS 160:2006 (Ed. 3.5)	<i>Electric room heaters. Consolidated edition incorporating amendment No. 5.</i> Amended to update a referenced standard.
SANS 162:2008/ ISO 10286:2007 (SABS ISO 10286:1996)	<i>Gas cylinders – Terminology.</i> Establishes the terminology used in the field of gas cylinders. Also gives definitions relating to pressures and gases.
SANS 164-6:2008 (Ed. 1.1)	<i>Plug and socket-outlet systems for household and similar purposes for use in South Africa – Part 6: Two-pole systems, 16 A 250 V a.c., for connection of class II equipment. Consolidated edition incorporating amendment No. 1.</i> Amended to correct the title, to delete the 10 A rating from the scope, to require socket-outlets fitted with a cord to be non-rewirable, to correct the drawings in standard sheet 6-1, to change requirements for gauges C2, C4 and C7, and to add gauge C2B.

Standard No. and year	Title, scope and purport
SANS 182-2:2008 (Ed. 1.4)	<i>Conductors for overhead electrical transmission lines – Part 2: Stranded aluminium conductors. Consolidated edition incorporating amendment No. 4.</i> Amended to change the designation of SABS standards to SANS standards, to remove reference to the standardization mark scheme, to change chemical composition of aluminium and to update referenced standards.
SANS 214-2:2003/ CISPR 14-2:2001 (Ed. 1.1)	<i>Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 2: Immunity – Product family standard. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards, add a definition for clock frequency, and change/replace text and tables relating to tests for surges and for voltage dips and interruptions.
SANS 225:2008/ CISPR 25:2008	<i>Vehicles, boats and internal combustion engines – Radio disturbance characteristics – Limits and methods of measurement for the protection of on-board receivers.</i> Contains limits and procedures for the measurement of radio disturbances in the frequency range of 150 kHz to 2 500 MHz. Applies to any electronic/electrical component intended for use in vehicles, trailers and devices.
SANS 257:2008 (Ed. 2.3)	<i>Wax shoe polish. Consolidated edition incorporating amendment No. 3.</i> Amended to update the applicable standards.
SANS 258:2008 (Ed. 2.4)	<i>Wax stoep polish. Consolidated edition incorporating amendment No. 4.</i> Amended to update the applicable standards and to remove reference to national legislation from the text.
SANS 261:2008/ ISO 6165:2006	<i>Earth-moving machinery – Basic types – Identification and terms and definitions.</i> Gives terms and definitions and an identification structure for classifying earth-moving machinery designed to perform the following operations: excavation, loading, transportation, and drilling, spreading, compacting or trenching of earth and other materials, for example, during work on roads and dams, and on building sites. Provides a clear means of identifying machines according to their function and design configurations.
SANS 296:2008 (Ed. 5.1)	<i>Sodium hypochlorite solutions. Consolidated edition incorporating amendment No. 1.</i> Amended to update the preparation, procedure and formula for the determination of the sodium hypochlorite content.
SANS 320:2008 (SABS 320:1978)	<i>The production of men's heavy boots, service type (Goodyear welted).</i> Covers requirements for materials, components, construction and performance of 5 types of men's heavy duty boots made according to the Goodyear welted principle.
SANS 368:2008 (Ed. 1.1)	<i>Aloe raw material. Consolidated edition incorporating amendment No. 1.</i> Amended to include the option of using other test methods in the determination of pesticide residue.
SANS 390:2008 (Ed. 3.5)	<i>Forks and rakes. 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" and the referenced standards.
SANS 392:2008 (Ed. 2.3)	<i>Filler rods for braze welding. Consolidated edition incorporating amendment No. 3.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable" and a referenced standard.
SANS 404:2008 (Ed. 2.1)	<i>Phosphorus deoxidized non-arsenical copper. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 405:2008 (Ed. 2.1)	<i>Phosphorus deoxidized arsenical copper. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 650:2008 (Ed. 3.1)	<i>Laundry detergent (for use in non-automatic domestic washing machines). Consolidated edition incorporating amendment No. 1.</i> Amended to change the requirement and the test strip size for the corrosiveness to corrosion-resistant steel.
SANS 651:2008 (SABS 651:2000)	<i>Low-foam laundry detergent (for use in automatic and non-automatic domestic washing machines).</i> Specifies the characteristics of one type of low-foam laundry detergent intended for the washing (in automatic and non-automatic domestic washing machines) in either hard or soft water of textiles made of cotton or of cotton-and-synthetic fibre yarns.
SANS 692:2008 (Ed. 2.1)	<i>Wooden handles for universal type picks. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, and to update referenced standards.
SANS 735:2008 (Ed. 2.1)	<i>Cathode copper. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards and to update the definition of "acceptable".
SANS 762:2008/ BS 6657:2002	<i>Assessment of inadvertent initiation of bridge wire electro-explosive devices by radio-frequency radiation – Guide. BS corrigendum No. 1.</i> Provides guidance on assessing the possibility of inadvertent extraction of energy from an electromagnetic field propagated from radio frequency (RF), radar or other transmitter antennas and the coupling of this energy to an electro-explosive device (EED) in a manner capable of causing initiation. The frequency range covered is 9 kHz to 60 GHz.
SANS 804:2008 (Ed. 2.1)	<i>Unwrought tough pitch coppers: Electrolytic tough pitch high conductivity copper. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 806:2008 (Ed. 2.1)	<i>Unwrought tough pitch coppers: Grade A tough pitch copper. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 807:2008 (Ed. 2.1)	<i>Unwrought tough pitch coppers: Grade B tough pitch copper. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards and to update the definition of "acceptable".
SANS 813:2008 (Ed. 3.2)	<i>Clamps for wire ropes. Consolidated edition incorporating amendment No. 2.</i> Amended to update the introductory paragraph to the normative references clause, and to delete a referenced standard.

Standard No. and year	Title, scope and purport
SANS 865:2008 (Ed. 2.2)	<i>Ambulance stretchers. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, and to update the definition of "acceptable" and referenced standards.
SANS 870:2008 (Ed. 1.4)	<i>A borax-sodium pentachlorophenate mixture for anti-sapstain treatment of timber. Consolidated edition incorporating amendment No. 4.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable", and to move reference to legislation to the foreword.
SANS 888:2008 (Ed. 3.1)	<i>Interlining. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 895:2008 (Ed. 2.1)	<i>Gas cylinder trolleys. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, and to update the definition of "acceptable" and referenced standards.
SANS 897:2008 (Ed. 2.4)	<i>Wheeled bed screens. Consolidated edition incorporating amendment No. 4.</i> Amended to change the designation of SABS standards to SANS standards, and to update referenced standards.
SANS 953-1:2008 (Ed. 1.1)	<i>Storage of firearms and ammunition – Part 1: Safes. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards and to update the definition of "acceptable", to update the referenced standards, and to modify the requirements for combination and electronic locks.
SANS 978:2008 (Ed. 3.1)	<i>Wood mosaic flooring. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable", to delete footnotes in the table on species (table 1), to delete a footnote in the table on grade defects (table 2), to change a requirement for preservative treatment, to update referenced standards, to update the title of appendix C, and to remove reference to the standardization mark scheme.
SANS 991:2008 (Ed. 2.2)	<i>Aluminium and aluminium alloy sand castings and gravity die castings. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, to delete reference to the certification mark, to update the definition of "acceptable", and to update the referenced standards.
SANS 992:2008 (Ed. 2.2)	<i>Aluminium and aluminium alloy pressure die castings. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, to delete reference to the certification mark, to update the definition of "acceptable", and to update the referenced standards.
SANS 1015:2008 (Ed. 1.2)	<i>Fire resisting door units for record rooms. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable", to delete reference to the standardization mark scheme, and to update referenced standards.
SANS 1017:2008 (Ed. 1.4)	<i>Electric cables for motor vehicles – Low-voltage cables and flexible earthing straps for motor vehicles. Consolidated edition incorporating amendment No. 4.</i> Amended to change the designation of SABS standards to SANS standards, to delete reference to the certification mark and a definition, to modify requirements for test liquids and to update referenced standards.
SANS 1026:2008 (Ed. 1.3)	<i>Bench vices for metal work (Metric units). Consolidated edition incorporating amendment No. 3.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable", and to update the referenced standards.
SANS 1028:2008 (Ed. 1.1)	<i>Pipe wrenches (Metric units). Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable", and to update a referenced standard.
SANS 1027:2008 (Ed. 1.1)	<i>Woodworkers' vices. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable", and to update a referenced standard.
SANS 1034:2008 (Ed. 1.1)	<i>Grey iron castings. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable", and to update referenced standards.
SANS 1039:2008 (Ed. 1.3)	<i>Wooden ceiling and panelling boards. Consolidated edition incorporating amendment No. 3.</i> Amended to change the designation of SABS standards to SANS standards, to remove reference to legislation in the foreword, to remove reference to the standardization mark scheme, to update the definition of "acceptable", to update referenced standards, to remove a comparison for discoloration, and to modify the requirement for the preservative treatment of timber.
SANS 1099:2008 (Ed. 1.5)	<i>Hardwood furniture timber. Consolidated edition incorporating amendment No. 5.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable", to delete a footnote in the table on permissible defects (table 1), to change a requirement for preservative treatment, and to update referenced standards.
SANS 1110:2008 (Ed. 1.7)	<i>Screwdrivers for slotted-head screws. Consolidated edition incorporating amendment No. 7.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable", and to update referenced standards.
SANS 1120:2008 (Ed. 2.1)	<i>Pliers and nippers. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable", and to update the referenced standards.
SANS 1112:2008 (Ed. 1.1)	<i>Open-end, box, and combination wrenches. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable", and to update the referenced standards.
SANS 1128-1:2008 (SABS 1128-1:1977)	<i>Firefighting equipment – Part 1: Components of underground and above-ground hydrant systems.</i> Covers the construction and performance requirements of underground and above-ground hydrant assemblies.

Standard No. and year	Title, scope and purport
SANS 1148:2008 (Ed. 1.1)	<i>Wooden safety matches. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of acceptable, and to remove reference to national legislation from the text.
SANS 1152:2008 (Ed. 1.3)	<i>Metal-working chisels for hand use. Consolidated edition incorporating amendment No. 3.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable", and to update a referenced standard.
SANS 1170:2008 (Ed. 1.3)	<i>Linear alkylbenzenesulphonic acid. Consolidated edition incorporating amendment No. 3.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of acceptable and to remove reference to the South African Bureau of standards from the text.
SANS 1172:2008 (Ed. 1.4)	<i>Files and rasps. Consolidated edition incorporating amendment No. 4.</i> Amended to change the designation of SABS standards to SANS standards and to update the definition of "acceptable".
SANS 1175:2008 (Ed. 1.1)	<i>High speed steel slitting saws. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards and to update the definition of "acceptable", and to update referenced standards.
SANS 1183:2008 (Ed. 2.1)	<i>Nurses' woven uniform fabric (polyester-and-cotton). Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 1186-1:2008 (Ed. 3.5)	<i>Symbolic safety signs – Part 1: Standard signs and general requirements. Consolidated edition incorporating amendment No. 5.</i> Amended to add four general informative signs, one fire fighting informative sign, five warning signs, seven mandatory signs and seven prohibition signs.
SANS 1187:2008 (Ed. 2.1)	<i>Tanks and ancillary equipment for milk tankers. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to delete reference to the standardization mark scheme, to update the definition of "acceptable", to delete a requirement for the quality of finishes and the corresponding footnote (4.17.1), and to update referenced standards.
SANS 1193:2008 (SABS 1193:2005)	<i>Toughened safety glass for vehicles.</i> Covers toughened safety glass for use in vehicles.
SANS 1242:2008 (Ed. 2.2)	<i>Pantihose and knee-highs. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable" and to delete a referenced standard.
SANS 1261-2:2008 (Ed. 2.1)	<i>Performance requirements for retail textiles – Part 2: Piece-goods for women's and girls' wear. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 1261-3:2008 (Ed. 2.1)	<i>Performance requirements for retail textiles – Part 3: Piece-goods for men's and boys' wear. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 1302:2008 (Ed. 1.1)	<i>Toothpaste. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable," and to delete reference to national legislation.
SABS 1326:2008 (Ed. 1.2)	<i>Sodium lauryl ether sulphate. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of acceptable and to remove any reference to the South African Bureau of Standards.
SANS 1357:2008 (Ed. 1.1)	<i>Granite surface plates and tables. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards and to update the definition of "acceptable".
SANS 1374:2008 (Ed. 2.1)	<i>Toothbrushes. Consolidated edition incorporating amendment No. 1.</i> Amended to change requirements for textural stiffness grades, to modify the table on dimensions and number of tufts (table 1), to change the percentage of filaments with acceptable free ends when tested for finish, and to modify the apparatus and the procedure used for testing the finish of filaments.
SANS 1376-1:2008 (Ed. 1.6)	<i>Lights for motor vehicles – Part 1: Incandescent lamps. Consolidated edition incorporating amendment No. 6.</i> Amended to add requirements for finished filament lamps emitting red light (3.6). Amended to add requirements for finished filament lamps emitting red light (3.6).
SANS 1382-1:2008 (Ed. 2.2)	<i>Hose – Part 1: Men's and women's hose for institutional use. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, to update the referenced standards, to update the test methods for moth resistance and to add a requirement to the methods of test.
SANS 1382-2:2008 (Ed. 1.2)	<i>Hose – Part 2: Commercial and sports hose. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable", to update the test methods for moth resistance and the referenced standards, and to add a requirement for colourfastness to light, washing and perspiration.
SANS 1385:2008 (Ed. 1.1)	<i>Kitchen cupboards: Built-in and free-standing. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable", to update the referenced standards, to change the requirements for materials and to delete reference to the standardization mark scheme.
SANS 1396:2008 (Ed. 2.1)	<i>Wooden scaffold boards. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable", to remove reference to the certification mark, and to update referenced standards.

Standard No. and year	Title, scope and purport
SANS 1399:2008 (Ed. 2.3)	<i>Wood charcoal and charcoal briquettes for household use. Consolidated edition incorporating amendment No. 3.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable", to change the chemical requirements for volatile matter content, ash content and fixed carbon content, and to delete reference to the certification mark.
SANS 1419:2008 (Ed. 2.1)	<i>Carpet underlays. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, to update the introductory paragraph to the normative references clause, to update the definition of "acceptable", and to update referenced standards.
SANS 1423-5:2008 (Ed. 1.1)	<i>Performance requirements for textile fabrics of low flammability – Part 5: Fabrics for use in movable office partitions. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards and to update referenced standards.
SANS 1424:2008 (Ed. 1.1)	<i>Filters for use in air-conditioning and general ventilation. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS to SANS standards, to update the definition of "acceptable" and to update the referenced standards..
SANS 1433-1:2008 (Ed. 1.1)	<i>Electrical terminals and connectors – Part 1: Terminal blocks having screw and screwless terminals. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable" and referenced standards, to modify the key to figure 7 and the footnote to column 1 of table B.2, to delete reference to the standardization mark, and to add a bibliography.
SANS 1444-1:2008 (Ed. 2.1)	<i>Schoolwear fabrics – Part 1: Basic requirements. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 1444-2:2008 (Ed. 2.1)	<i>Schoolwear fabrics – Part 2: Blazer fabrics. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 1444-3:2008 (Ed. 2.1)	<i>Schoolwear fabrics – Part 3: Polyester-and-wool fabrics. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 1444-4:2008 (Ed. 2.1)	<i>Schoolwear fabrics – Part 4: Polyester-and-viscose fabrics. Consolidated edition incorporating amendment No. 1.</i> Amended to update referenced standards.
SANS 1444-5:2008 (Ed. 2.1)	<i>Schoolwear fabrics – Part 5: Polyester-and-cotton fabrics. Consolidated edition incorporating amendment no. 1.</i> Amended to update referenced standards.
SANS 1444-6:2008 (Ed. 2.1)	<i>Schoolwear fabrics – Part 6: Shirting and blouse fabrics. Consolidated edition incorporating amendment no. 1.</i> Amended to update referenced standards.
SANS 1444-7:2008 (Ed. 2.1)	<i>Schoolwear fabrics – Part 7: Fabrics containing textured yarns. Consolidated edition incorporating amendment no. 1.</i> Amended to update referenced standards.
SANS 1444-8:2008 (Ed. 2.1)	<i>Schoolwear fabrics – Part 8: Warp-knitted fabrics. Consolidated edition incorporating amendment no. 1.</i> Amended to update referenced standards.
SANS 1445-2:2008 (Ed. 1.1)	<i>Thermal insulation materials for industrial applications – Part 2: Metal-mesh-faced mineral fibre mattresses. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards and to update a referenced standard.
SANS 1451-3:2008 (Ed. 1.2)	<i>Hearing protectors – Part 3: Ear-muffs attached to an industrial safety helmet. Consolidated edition incorporating amendment No. 2.</i> Amended to update a referenced standard and to move reference to national legislation to the foreword.
SANS 1453:2008 (Ed. 1.2)	<i>Copper tubes for medical gas and vacuum services. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards and to update the referenced standards.
SANS 1475-2:2008 (SABS 1475-2:2003)	<i>The production of reconditioned fire-fighting equipment – Part 2: Fire hose reels, hydrants and booster connections.</i> Specifies the procedure for the reconditioning of fire hose reels and above-ground hydrants. It also covers the management of reconditioning organizations. It does not cover the replacement or installation of hose reels and above-ground hydrants.
SANS 1496:2008 (Ed. 1.4)	<i>Wheel flaps fitted to motor vehicles. Consolidated edition incorporating amendment No. 4.</i> Amended to add a new clause on marking (clause 4).
SANS 1502:2008 (Ed. 2.4)	<i>Microwave cooking appliances for domestic use. Consolidated edition incorporating amendment no. 4.</i> Amended to refer to safety requirements and to update referenced standards.
SANS 1510-1:2008 (Ed. 1.1)	<i>Door closers – Part 1: Single-action overhead door closers. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards and to update referenced standards.
SANS 1528-1:2008 (Ed. 1.1)	<i>Furniture – Part 1: Seating. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the introductory paragraph to the normative references clause, to update the definition of "acceptable", to update referenced standards, and to clarify the term "upright seating".
SANS 1528-2:2008 (Ed. 1.2)	<i>Furniture – Part 2: Desks, tables and computer stands. Consolidated edition incorporating amendment no. 2.</i> Amended to change the designation of SABS standards to SANS standards, to update the introductory paragraph to the normative references clause, to update the definition of "acceptable", and to update referenced standards.

Standard No. and year	Title, scope and purport
SANS 1528-4:2008 (Ed. 1.1)	<i>Furniture – Part 4: Bunk beds for domestic use. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the introductory paragraph to the normative references clause, to update the definition of "acceptable", and to update referenced standards.
SANS 1528-6:2008 (Ed. 1.1)	<i>Furniture – Part 6: High chairs for domestic use. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable", to update the introductory paragraph to the normative references clause, and to update referenced standards.
SANS 1528-7:2008 (Ed. 1.1)	<i>Furniture – Part 7: Children's cots for domestic use. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the introductory paragraph to the normative references clause, to update the definition of "acceptable", and to update referenced standards.
SANS 1539:2008 (Ed. 4.2)	<i>Appliances operating on liquefied petroleum gas – Safety aspects. Consolidated edition incorporating amendment No. 2.</i> Amended to add definitions and to change the numbering accordingly, to modify a requirement applicable to all appliances, to change specific requirements and the additional requirements for specific appliances and components, to add and change cross references, to modify the requirements for test for quality and durability of glass covers for lamps, to include new tests for combustion to product discharge safety device and combustion fan, and to add information on vent heater installation requirements in annex E.
SANS 1555:2008 (SABS 1555:1992)	<i>Roadworks delineators.</i> Specifies the characteristics of roadworks delineators used to divert road traffic at roadworks.
SANS 1574-1:2008 (Ed. 1.1)	<i>Electric flexible cores, cords and cables with solid extruded dielectric insulation – Part 1: General. Consolidated edition incorporating amendment No. 1.</i> Amended to correct the colour of the neutral core in a flexible cord.
SANS 1576:2008 (Ed. 1.2)	<i>Electric cables – Single core arc welding cable. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, to update a referenced standard, and to delete references to the certification mark and the SABS.
SANS 1582-1:2008 (Ed. 1.4)	<i>Light industrial electric floor treatment machines – Part 1: Vacuum cleaners. Consolidated edition incorporating amendment No. 4.</i> Amended to update referenced standards and remove references to a compulsory specification.
SANS 1582-2:2008 (Ed. 1.4)	<i>Light industrial electric floor treatment machines – Part 2: Floor polishers. Consolidated edition incorporating amendment No. 4.</i> Amended to update referenced standards and remove references to a compulsory specification.
SANS 1584-1:2008 (Ed. 1.1)	<i>Television transmissions – Part 1: Terrestrial television transmissions. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 1619:1008 (Ed. 2.1)	<i>Small power distribution units (ready-boards) for single-phase 230 V service connections. Consolidated edition incorporating amendment No. 1.</i> Amended to update the introductory clause to normative references, to update referenced standards and definitions.
SANS 1637:2008 (Ed. 1.2)	<i>Reconditioned manually operated chain lever hoists. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation from SABS to SANS, and to update a referenced standard.
SANS 1639:2008 (Ed. 1.2)	<i>Reconditioned pneumatically operated chain hoists. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation from SABS to SANS, and to update a referenced standard.
SANS 1640:2008 (Ed. 1.2)	<i>Reconditioned manually operated chain hoists. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation from SABS to SANS, to update a referenced standard, and to replace "chain block(s)" with "chain hoist(s)".
SANS 1669-2:2008 (Ed. 1.1)	<i>Conveyor belt pulleys Part 2: Lagging. Consolidated edition incorporating amendment No. 1.</i> Amended to modify the requirements for bond strength, to include a test method to determine the suitability of a wear compound for use as pulley lagging material, and to update referenced standards.
SANS 1670:2008 (Ed. 1.1)	<i>Warning lights. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation from SABS to SANS, to update referenced standards, to update the definition for "acceptable", and to change the requirements for colour and chromaticity co-ordinates (4.2) and flash rate and "on" time (4.4).
SANS 1700-9-2:1996/ ISO 7379:1983	<i>Fasteners – Part 9: Hexagon socket head screws – Section 2: Hexagon socket head shoulder screws. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 1718-4:2008 (SABS 1718-4:2002)	<i>Gaming equipment – Part 4: Wagering record-keeping software.</i> Specifies the general software and, if applicable, hardware requirements, the list of significant events and the reporting requirements required by the South African Provincial Licensing Authority (PLA), for record-keeping software used by licensed operators for the acceptance of wagers on events permitted by the PLA.
SANS 1739:2008 (Ed. 1.1)	<i>Low pressure welded steel cylinders for fire extinguishers. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the definition of "acceptable", to delete reference to the SABS mark scheme, to move reference to legislation to the foreword and to update the referenced standards.
SANS 1792-1:2008 (Ed. 1.1)	<i>Refillable welded steel gas cylinders – Part 1: LPG fuel tanks for motor vehicles. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards and to update the definition of "acceptable".
SANS 1849:2008 (Ed. 1.1)	<i>Butterfly valves for general purposes. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update referenced standards and to insert missing footnote in the table on basic materials.

Standard No. and year	Title, scope and purport
SANS 1860:2008 (Ed 1.1)	<i>Wool packs for unprocessed wool. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to change the dimensions in the figure on steel sled with sponge rubber attached, and to update the referenced standards.
SANS 2306:1993/ MPT 1306:1993	<i>Continuous tone controlled signalling system (CTCSS) for use in the land mobile services – Performance specification. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 2327:1991/ MPT 1327:1991	<i>A signalling standard for trunked private land mobile radio systems. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 2343:1991/ MPT1343:1991 (SABS MPT 1343)	<i>System interface specification for radio units to be used with commercial trunked networks operating in Band III sub-bands 1 and 2.</i> Covers the minimum performance requirements for radio units used with commercial trunked networks operating in band III, sub-bands 1 and 2.
SANS 2352:1991/ MPT 1352:1991	<i>Test schedule for the approval of radio units to be used with commercial trunked networks operating in Band III subbands 1 and 2. National amendment No. 2.</i> Amended to change the designation from SABS to SANS, with no technical changes..
SANS 2362:1997/ MPT 1362:1997	<i>Installation of mobile radio equipment in land based vehicles. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 2409:2008/ ISO 2409:2007 (SABS ISO 2409:1992)	<i>Paints and varnishes – Cross-cut test.</i> Describes a test method for assessing the resistance of paint coatings to separation from substrates when a right-angle lattice pattern is cut into the coating, penetrating through to the substrate. The property measured by this empirical test procedure depends, among other factors, on the adhesion of the coating to either the preceding coat or the substrate. This procedure is not to be regarded, however, as a means of measuring adhesion.
SANS 2808:2008/ ISO 2808:2007 (SABS ISO 2808:1997)	<i>Paints and varnishes – Determination of film thickness.</i> Describes a number of methods that are applicable to the measurement of the thickness of coatings applied to a substrate. Methods for determining wet-film thickness, dry-film thickness and the film-thickness of uncured powder layers are described. Reference is made to individual standards where these exist.
SANS 2867:2008/ ISO 2867:2006	<i>Earth-moving machinery – Access systems.</i> Specifies criteria for access systems (steps, ladders, walkways, platforms, grab rails/handrails, grab handles, guardrails and enclosure entrance and exit openings) as they relate to aiding the operator, maintenance personnel and service personnel in performing their functions on earth-moving machinery. Is applicable to systems giving access to the operator platform and to routine maintenance points on earth-moving machinery, as defined in ISO 6165 (published in South Africa as an identical adoption under the designation SANS 261), parked in accordance with the manufacturer's instructions.
SANS 3449:2008/ ISO 3449:2005	<i>Earth-moving machinery – Falling-object protective structures – Laboratory tests and performance requirements.</i> Specifies laboratory tests for measuring the structural characteristics of, and gives performance requirements in a representative test for, falling-object protective structures (FOPS) intended for use on ride-on earth-moving machines as defined in ISO 6165 (published in South Africa as an identical adoption under the designation SANS 261). Is applicable to both FOPS supplied as an integral part of the machine and those supplied separately for attachment to the machine. Is not intended to apply to FOPS intended for use on landfill compactors, excavators, rollers, trenchers, pipelayers, for the additional seat for operation of an attachment (e.g. attachment backhoe), or on machines with a power rating of less than 15 kW.
SANS 4523:1985/ ISO 4523:1985	<i>Metallic coatings – Electrodeposited gold and gold alloy coatings for engineering purposes. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 5126:2008 (SABS SM 126:1975)	<i>Viscosity of binders for paints.</i> Specifies a method for the determination of the viscosity of binders for paints.
SANS 5183-1:2008/ ISO 5183-1:1998 (SABS ISO 5183-1:1988)	<i>Resistance welding equipment – Electrode adaptors, male taper 1:10 – Part 1: Conical fixing, taper 1:10.</i> Specifies the dimensions and tolerances of resistance spot welding electrode adaptors where the fixing element for the cap is a male taper and for which the electrode taper fits conform to ISO 1089.
SANS 5183-2:2008/ ISO 5183-2:2000 (SABS ISO 5183-2:1988)	<i>Resistance spot welding – Electrode adaptors, male taper 1:10 – Part 2: Parallel shank fixing for end-thrust electrodes.</i> Specifies the dimensions and tolerances of resistance spot welding electrode adaptors where the fixing element for the cap is a male taper and a parallel shaft is used to fix the adaptor to the electrode holder.
SANS 5323:2008 (Ed. 3.1)	<i>Breaking strength of seams in textiles. Consolidated edition incorporating amendment No. 1.</i> Amended to update the referenced standard.
SANS 5493:2008 (Ed. 4.1)	<i>Ball burst strength of textile fabrics. Consolidated edition incorporating amendment No. 1.</i> Amended to update the referenced standard.
SANS 5778:2008 (Ed. 3.1)	<i>Redeposition index of laundry detergents. Consolidated edition incorporating amendment No. 1.</i> Amended to update the standard detergent, to correct an error in table 1 and to modify the volume of artificial soil dispersion that is added to the test specimen solution.
SANS 5779:2008 (Ed. 3.1)	<i>Fluorescent whitening agent content of laundry detergents. Consolidated edition incorporating amendment No. 1.</i> Amended to update the standard detergent and to correct an error in table 1.
SANS 5780:2008 (SABS SM 780:1984)	<i>Chemical damage to cotton fibres by laundry detergents.</i> Specifies a method for the determination of the chemical damage to cotton fibres by laundry detergents.
SANS 5837:2008 (Ed. 2.2)	<i>Low density materials content of aggregates. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.

Standard No. and year	Title, scope and purport
SANS 5839:2008 (Ed. 2.2)	<i>Soundness of aggregates (magnesium sulfate method). Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 5840:2008 (Ed. 2.2)	<i>Shell content of fine aggregate. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, and to delete a footnote.
SANS 5843:2008 (Ed. 2.2)	<i>Water absorption of aggregates. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 5847:2008 (Ed. 2.2)	<i>Flakiness index of coarse aggregates. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 5848:2008 (Ed. 2.2)	<i>Polished-stone value of aggregates. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards and to update the referenced standards.
SANS 5849:2008 (Ed. 2.2)	<i>Total water-soluble salts content of fines in aggregates. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 5850-2:2008 (Ed. 1.3)	<i>Sulfates content of fines in aggregates – Part 2: Acid-soluble sulfates in fines in aggregates. Consolidated edition incorporating amendment No. 3.</i> Amended to change the designation of SABS standards to SANS standards, and to update referenced standards.
SANS 5852:2008 (SABS SM 852:1976)	<i>Plastic limit and plasticity index of fines in aggregates for base-courses.</i> Describes a method to determine the plastic limit and the plasticity index of fines in aggregates for base-courses.
SANS 5853:2008 (SABS SM 853:1976)	<i>Linear shrinkage of fines in aggregates for base-courses.</i> Describes the method to determine the linear shrinkage of fines in aggregates for base-courses.
SANS 5855:2008 (SABS SM 855:1976)	<i>Free water content of aggregates.</i> Describes a method to determine the free water content of aggregates.
SANS 5978:2008 (SABS SM 978:1979)	<i>Performance of wax polishes.</i> Specifies a method for the determination of the performance of wax polishes.
SANS 6122:2008 (Ed. 2.1)	<i>Qualification testing of solid structural timber and laminated structural timber (glulam) for verifying timber grading systems in accordance to a given standard. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, and to update the introductory paragraph to the normative references clause.
SANS 6240:2008 (Ed. 1.2)	<i>Electric conductivity of fine aggregate. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 6242:2008 (Ed. 1.2)	<i>Acid insolubility of aggregates. Consolidated edition incorporating amendment No. 2.</i> Amended to change the designation of SABS standards to SANS standards, and to delete a footnote.
SANS 6683:2008/ ISO 6683:2005	<i>Earth-moving machinery – Seat belts and seat belt anchorages – Performance requirements and tests.</i> Establishes the minimum performance requirements and tests for restraint systems - seat belts and their fastening elements (anchorages) – on earth-moving machinery, necessary to restrain an operator or rider within a roll-over protective structure (ROPS) in the event of a machine roll-over, or within a tip-over protection structure (TOPS) in the event of a machine tip-over.
SANS 7218:2008/ ISO 7218:2007 (SABS ISO 7218:1996)	<i>Microbiology of food and animal feeding stuffs – General requirements and guidance for microbiological examinations.</i> Gives general requirements and guidance for three main uses – implementation of standards for detection or enumeration of microorganisms; good laboratory practice for microbiological laboratories; and guidance for accreditation of food microbiological laboratories. It covers examination for bacterial yeasts and moulds. It does not cover the examination for toxins or other metabolites from microorganisms.
SANS 7812-1:2008/ ISO/IEC 7812-1:2006 (SABS ISO/IEC 7812-1:2004)	<i>Identification cards – Identification of issuers – Part 1: Numbering system.</i> Specifies a numbering system for the identification of issuers of cards that require an issuer identification number to operate in international, interindustry and/or intra-industry interchange.
SANS 7812-2:2008/ ISO/IEC 7812-2:2007 (SABS ISO/IEC 7812-2:2004)	<i>Identification cards – Identification of issuers – Part 2: Application and registration procedures.</i> Describes the parameters for identification cards, the use of such cards for international and/or inter-industry interchange and the application and registration procedures for numbers issued in accordance with ISO/IEC 7812-1 (published in South Africa as SANS 7812-1).
SANS 8083:2008/ ISO 8083:2006	<i>Machinery for forestry – Falling-object protective structures (FOPS) – Laboratory tests and performance requirements.</i> Establishes a consistent, reproducible means of evaluating characteristics of falling-object protective structures (FOPS) under loading, and prescribes performance requirements for a representative specimen under such loading. Is applicable to mobile or self-propelled, specially-designed forestry machines.
SANS 9992-1:1998/ ISO 9992-2:1998	<i>Financial transaction cards – Messages between the integrated circuit card and the card accepting device – Part 2: Functions, messages (commands and responses), data elements and structures. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 10019:2008 (SABS 019:2001)	<i>Transportable containers for compressed, dissolved and liquefied gases – Basic design, manufacture, use and maintenance.</i> Covers the requirements for the design, manufacture, use and maintenance of refillable gas containers of water capacity 0,5 L to 3 000 L for industrial, medical and domestic use. Also covers self-contained underwater breathing apparatus (SCUBA) and self-contained surface breathing apparatus (SCBA), and the design and manufacture (but not performance requirements) of containers used for portable fire extinguishers. Does not cover special gas containers as used in aircraft, disposable gas containers or air-brake reservoirs.

Standard No. and year	Title, scope and purport
SANS 10061-2:2008 (Ed. 1.1)	<i>The installation of communal and single antenna systems for the reception of television and sound broadcast transmissions – Part 2: Satellite antenna systems. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to include information on relevant legislation, and to correct "antennae", wherever it occurs, to read "antennas".
SANS 10089-1:2008 (Ed. 4.3)	<i>The petroleum industry – Part 1: Storage and distribution of petroleum products in above-ground bulk installations. Consolidated edition incorporating amendment No. 3.</i> Amended to correct the formula for vertical rate of rise in annex B and to delete withdrawn standards.
SANS 10101:2008 (Ed. 1.1)	<i>Standard nomenclature for stitches, seams, and stitchings. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 10111-2-3:2008/ ISO 2692:2006 (SABS 0111-2-3:1993)	<i>Geometrical product specifications (GPS) – Geometrical tolerancing – Maximum material requirement (MMR), least material requirement (LMR) and reciprocity requirement (RPR).</i> Defines the maximum material requirement, the least material requirement and the reciprocity requirement, and specifies their applications.
SANS 10146:2008 (SABS 0146:2000)	<i>Laundry processes and management.</i> Lays down the minimum provisions for the safe and effective management of commercial and institutional laundries to achieve levels of quality that are acceptable to the customer and meet statutory requirements.
SANS 10149:2008 (Ed. 1.3)	<i>The mechanical stress grading of softwood timber (flexural method). Consolidated edition incorporating amendment No. 3.</i> Amended to change the designation of SABS standards to SANS standards, and to update the definition of "acceptable".
SANS 10164-2:2008 (Ed. 1.2)	<i>The structural use of masonry – Part 2: Structural design and requirements for reinforced and prestressed masonry. Consolidated edition incorporating amendment No. 2.</i> Amended to update referenced standards.
SANS 10184:2008 (Ed. 1.1)	<i>Definitions for and measurement of body dimensions. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 10186:2008 (Ed. 3.1)	<i>The installation of textile floor coverings. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the introductory paragraph to the normative references clause, to update referenced standards, and to delete a requirement for prefabricated sub-underlays (5.3.1).
SANS 10217:2008 (Ed. 1.1)	<i>The heat treatment of ground-engaging parts for farming implements. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, with no technical changes.
SANS 10233:2008 (SABS 0233:2001)	<i>Transport of dangerous goods – Intermediate bulk containers for road and rail transport.</i> Establishes the requirements for various types of intermediate bulk container (IBC) that are specified for the containment of dangerous substances for road and rail transportation in South Africa, other than radioactive material of class 7 and most of the explosives of class 1.
SANS 10241:2008 (Ed. 1.2)	<i>Tachograph centres – Installation and repair facilities, including facilities for the installation of on-board computers. Consolidated edition incorporating amendment No. 1.</i> Amended to bring it into line with SANS 1558, Tachograph recording equipment installed in road transport (excluding on-board computers).
SANS 10245:2008 (Ed. 1.1)	<i>The maintenance of textile floor coverings. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, to update the introductory paragraph to the normative references clause, and to update referenced standards.
SANS 10326:2008 (Ed. 1.1)	<i>Structural bearings – The design of bridge bearings. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards and to update the referenced standards.
SANS 10661-1:2008 (Ed. 3.3)	<i>The installation of communal and single antenna systems for the reception of television and sound broadcast transmissions – Part 1: VHF and UHF television and VHF sound antenna systems. Consolidated edition incorporating amendment No. 3.</i> Amended to delete references to SABS 723 and SABS 926, which have been withdrawn.
SANS 10968:2008/ ISO 10968:2004	<i>Earth-moving machinery – Operator's controls.</i> Specifies requirements and guidelines for the operator's primary controls on earthmoving machinery in as far as those controls relate to the ride-on operator.
SANS 11427:1993/ ISO 11427:1993	<i>Determination of silver in silver jewellery alloys – Volumetric (potentiometric) method using potassium bromide. ISO corrigendum No. 1.</i> Corrected to modify a requirement for potassium bromide solution. <i>National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 11801:2008 (Ed. 2.1)	<i>Information technology – Generic cabling for customer premises. Consolidated edition incorporating amendment No. 1.</i> Provides requirements for new Class EA and FA channels plus additions and corrections to ISO/IEC 11801:2002 (SANS 11801). Provides balanced cabling models, requirements and normative references for Category 6A and 7A components, requirements for Class EA and FA links, together with amendments to the requirements for optical fibre cabling.
SANS 12509:2008/ ISO 12509:2004	<i>Earth-moving machinery – Lighting, signalling and marking lights, and reflex-reflector devices.</i> Specifies the minimum requirements for installation and performance of lighting, signalling and marking lights, and reflex-reflector devices on earth-moving machines. Is applicable to self-propelled wheel or crawler earth-moving machines intended for off-road use as well as on-road use. Is not applicable to pedestrian-controlled machines.
SANS 12941:1998/ EN 12941:1998	<i>Respiratory protective devices – Powered filtering devices incorporating a helmet or a hood – Requirements, testing, marking. EN amendment No. 1.</i> Amended to add a new paragraph detailing requirements where a hood or helmet does not include an integral turbo unit, to substitute a reference, to delete a clause, and to delete and substitute a warning regarding the fitment of filters to turbo units. <i>National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.

Standard No. and year	Title, scope and purport
SANS 12942:1998/ EN 12942:1998	<i>Respiratory protective devices – Power assisted filtering devices incorporating full face masks, half masks or quarter masks – Requirements, testing, marking. EN amendment No. 1.</i> Amended to delete certain definitions, to delete and substitute two descriptions, to expand on the requirements of table 1, and to link these to testing, to expand on certain requirements and to include further testing references and exclude other references, to delete and substitute requirements, to correct an expression, to refer to tests, to delete and add detail to requirements, to delete and substitute wording to a test procedure, to correct reference to a test procedure and to correct and delete labelling and the appropriate figures. <i>National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 14143-1:2008/ ISO/IEC 14143:2007 SABS ISO/IEC 14143-1:1998	<i>Information technology – Software measurement – Functional size measurement – Part 1: Definition of concepts.</i> Defines the concepts of FSM (Functional Size Measurement). The concepts of FSM (Functional Size Measurement) are designed to overcome earlier methods of sizing software by shifting focus away from measuring how software is implemented to measuring size in terms of functions required by the user.
SANS 14520-1:2008/ ISO 14520-2:2006 (SABS ISO 14520-1:2000)	<i>Gaseous fire-extinguishing systems – Physical properties and system design – Part 1: General requirements.</i> Specifies requirements and gives recommendations for the design, installation, testing, maintenance and safety of gaseous fire fighting systems in buildings, plant or other structures, and the characteristics of the various extinguishants and types of fire for which they are a suitable extinguishing medium. Covers total flooding systems primarily related to buildings, plant and other specific applications, utilizing electrically non-conducting gaseous fire extinguishants that do not leave a residue after discharge and for which there are sufficient data currently available to enable validation of performance and safety characteristics by an appropriate independent authority. Is not applicable to explosion suppression.
SANS 14520-2:2008/ ISO 14520-2:2006 (SABS ISO 14520-2:2000)	<i>Gaseous fire-extinguishing systems – Physical properties and system design – Part 2: CF3I extinguishant.</i> Gives specific requirements for gaseous fire-extinguishing systems, with respect to the CF3I extinguishant. Includes details of physical properties, specification, usage and safety aspects and is applicable to systems operating at nominal pressures of 25 bar. Does not preclude the use of other systems.
SANS 14520-6:2008/ ISO 14520-6:2006 (SABS ISO 14520-6:2000)	<i>Gaseous fire-extinguishing systems – Physical properties and system design – Part 6: HCFC blend A extinguishant.</i> Gives specific requirements for gaseous fire-extinguishing systems, with respect to the HCFC Blend A extinguishant. Includes details of physical properties, specification, usage and safety aspects and is applicable to systems operating at nominal pressures of 25 bar and 42 bar, superpressurized with nitrogen. Does not preclude the use of other systems.
SANS 14520-8:2008/ ISO 14520-8:2006 (SABS ISO 14520-8:2000)	<i>Gaseous fire-extinguishing systems – Physical properties and system design – Part 8: HFC 125 extinguishant.</i> Gives specific requirements for gaseous fire-extinguishing systems, with respect to the HFC 125 extinguishant. Includes details of physical properties, specification, usage and safety aspects and is applicable to systems operating at nominal pressures of 25 bar and 42 bar, superpressurized with nitrogen. Does not preclude the use of other systems.
SANS 14520-9:2008/ ISO 14520-9:2006 (SABS ISO 14520-9:2000)	<i>Gaseous fire-extinguishing systems – Physical properties and system design – Part 9: HFC 227ea extinguishant.</i> Gives specific requirements for gaseous fire-extinguishing systems, with respect to the HFC 227ea extinguishant. Includes details of physical properties, specification, usage and safety aspects and is applicable to systems operating at nominal pressures of 25 bar and 42 bar superpressurized with nitrogen. Does not preclude the use of other systems.
SANS 14520-10:2008/ ISO 14520-10:2005 (SABS ISO 14520-10:2000)	<i>Gaseous fire-extinguishing systems – Physical properties and system design – Part 10: HFC 23 extinguishant.</i> Gives specific requirements for gaseous fire-extinguishing systems, with respect to the HFC 23 extinguishant. Includes details of physical properties, specification, usage and safety aspects and is applicable to systems operating at a nominal pressure of 41 bar without nitrogen superpressurization. Does not preclude the use of other systems.
SANS 14520-11:2008/ ISO 14520-11:2005 (SABS ISO 14520-11:2000)	<i>Gaseous fire-extinguishing systems – Physical properties and system design – Part 11: HFC 236fa extinguishant.</i> Gives specific requirements for gaseous fire-extinguishing systems, with respect to the HFC 236fa extinguishant. Includes details of physical properties, specification, usage and safety aspects and is applicable to systems operating at nominal pressures of 25 bar superpressurized with nitrogen. Does not preclude the use of other systems.
SANS 14520-12:2008/ ISO 14520-12:2005 (SABS ISO 14520-12:2000)	<i>Gaseous fire-extinguishing systems – Physical properties and system design – Part 12: IG-01 extinguishant.</i> Gives specific requirements for gaseous fire-extinguishing systems, with respect to the IG-01 extinguishant. Includes details of physical properties, specification, usage and safety aspects and is applicable to systems operating at nominal pressures of 160 bar, 200 bar and 300 bar at 15 degrees Celsius. Does not preclude the use of other systems; however, design data for other pressures were not available at time of publication.
SANS 14520-13:2008/ ISO 14520-13:2005 (SABS ISO 14520-13:2000)	<i>Gaseous fire-extinguishing systems – Physical properties and system design – Part 13: IG-100 extinguishant.</i> Gives specific requirements for gaseous fire-extinguishing systems, with respect to the IG-100 extinguishant. Includes details of physical properties, specification, usage and safety aspects and is applicable to systems operating at nominal pressures of 200 bar and 300 bar, both at 15 degrees Celsius. Does not preclude the use of other systems; however, design data for other pressures were not available at time of publication.
SANS 14520-14:2008/ ISO 14520-14:2005 (SABS ISO 14520-14:2000)	<i>Gaseous fire-extinguishing systems – Physical properties and system design – Part 14: IG-55 extinguishant.</i> Gives specific requirements for gaseous fire-extinguishing systems, with respect to the IG-55 extinguishant. Includes details of physical properties, specification, usage and safety aspects and is applicable to systems operating at nominal pressures of 150 bar, 200 bar and 300 bar, at 15 degrees Celsius. Does not preclude the use of other systems; however, design data for other pressures were not available at time of publication.
SANS 14520-15:2008/ ISO 14520-15 (SABS ISO 14520-15:2008)	<i>Gaseous fire-extinguishing systems – Physical properties and system design – Part 15: IG-541 extinguishant.</i> Gives specific requirements for gaseous fire-extinguishing systems, with respect to the IG-541 extinguishant. Includes details of physical properties, specification, usage and safety aspects and is applicable to systems operating at nominal pressures of 150 bar, 200 bar and 300 bar, at 15 degrees Celsius. Does not preclude the use of other systems; however, design data for other pressures were not available at time of publication.

Standard No. and year	Title, scope and purport
SANS 15504-5:2008/ ISO/IEC 15504-5:2006 (SABS ISO/IEC TR 15504-5:2006)	<i>Information technology – Process assessment – Part 5: An exemplar process assessment model.</i> Describes an exemplar Process Assessment Model (PAM), conformant with the ISO/IEC 15504-2(SANS 15504-2) requirements for PAM. It provides guidance by way of example, on the nature and structure of PAMs, and on the variety and function of different indicators of process performance and capability. It also provides guidance, through example, on the requirements for conformance of PAMs, and on the approaches for demonstration of conformance. ISO/IEC 15504 provides a framework for the assessment of process capability; and can be used by organisations involved in planning, managing, monitoring, controlling and improving the acquisition, supply, development, operation, evolution and support of products and services. It is also intended for use by assessors in the performance of process assessment.
SANS 15614-4:2008/ ISO 15614-4:2005	<i>Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 4: Finishing welding of aluminium castings. ISO corrigendum No. 1.</i> Corrected to delete annex ZZ.
SANS 16390:2008/ ISO/IEC 16390:2007 (SABS ISO/IEC 16390:1999)	<i>Information technology – Automatic identification and data capture techniques – Interleaved 2 of 5 bar code symbology specification.</i> Specifies the requirements for the bar code symbology known as Interleaved 2 of 5. Specifies Interleaved 2 of 5 symbology characteristics, data character encodation, dimensions, tolerances, decoding algorithms and parameters to be defined by applications. It specifies the symbology identifier prefix strings for Interleaved 2 of 5 symbols.
SANS 17799:2005/ ISO/IEC 17799:2005	<i>Information technology – Security techniques – Code of practice for information security management. ISO/IEC technical corrigendum No. 1.</i> Amended to change the standard from SANS 17799:2005 to SANS 27002:2008 with no technical changes.
SANS 20001:1992/ ECE R1:1992	<i>Uniform provisions concerning the approval of motor vehicle headlamps emitting an asymmetrical passing beam and/or a driving beam and equipped with filament lamps of categories R2 and/or HS1. National amendment No. 2.</i> Amended to add requirements for category HS1 lamps.
SANS 20119:2008/ ECE R119:2005	<i>Uniform provisions concerning the approval of cornering lamps for power-driven vehicles. ECE amendment No. 1.</i> Amended to add a scope, to insert a new footnote to the scope, to change text in the subclause on definitions (1.1), to change and to renumber the footnote regarding the distinguishing number of the country which has granted approval in the clause on approval (clause 4), and to renumber the remaining footnotes.
SANS 20069:1087/ ECE R69:1987	<i>Uniform provisions concerning the approval of rear marking plates for slow-moving vehicles (by construction) and their trailers. ECE amendment No. 4.</i> Amended to change the scope and to insert a new footnote to the scope, to renumber and change footnote 2 to 5.4.1.1, which gives distinguishing numbers of countries that have granted approval, and to renumber the remaining footnotes. <i>National amendment No. 2.</i> Amended to add information to the national foreword that relates to the compulsory introduction of this standard.
SANS 20104:1998/ ECE R104:1998	<i>Uniform provisions concerning the approval of retro-reflective markings for vehicles of category M, N and O. ECE amendment No. 3.</i> Amended to change the title and the scope, to insert a new footnote to the scope, to change and renumber the footnote regarding the distinguishing number of country, which has granted approval in the clause on approval (clause 5), to change and add new requirements in the annex on resistance to external agents (annex 8), and to renumber the remaining footnotes. <i>ECE amendment No. 4.</i> Amended to delete definitions (2.1.1, 2.1.2 and 2.1.3) and to renumber the remaining definitions, to change a footnote in the subclause on special specifications (7.5), to change text in the annex on test procedure (annex 4), to add requirements in the annex on resistance to external agents (annex 8), and to delete the annex and its appendices on guidelines for the marking shape and mounting requirements (annex 9), examples of retro-reflective markings with strips (appendix 1) and examples of retro-reflective contour markings (with distinctive markings and graphics) (appendix 2). <i>National amendment No. 2.</i> Amended to add information to the national foreword that relates to the compulsory introduction of this standard.
SANS 50286-1:1998/ EN 286-1:1998	<i>Simple unfired pressure vessels designed to contain air or nitrogen – Part 1: Pressure vessels for general purposes. EN amendment No. 2.</i> Amended to add information on requirements for peaking and annex H.
SANS 50341:1991/ EN 341:1992	<i>Personal protective equipment against falls from a height – Descender devices. EN amendment No. 1.</i> Amended to delete the word "Austria" from the foreword, add wording to the scope, add normative references, add wording under descent velocity, and modify wording under marking and instructions for use. <i>National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 50352-1:2008 (Ed. 1.1)	<i>Hearing protectors – Safety requirements and testing – Part 1: Ear-muffs. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, and to update referenced standards.
SANS 50352-2:2008 (Ed. 1.1)	<i>Hearing protectors – Safety requirements and testing – Part 2: Ear-plugs. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, and to update referenced standards.
SANS 50352-3:2008 (Ed. 1.1)	<i>Hearing protectors – Safety requirements and testing – Part 3: Ear-muffs attached to an industrial safety helmet. Consolidated edition incorporating amendment No. 1.</i> Amended to change the designation of SABS standards to SANS standards, and to update referenced standards.
SANS 50358:2008/ EN 358:1999 (SABS EN 358:1992)	<i>Personal protective equipment for work positioning and prevention of falls from a height – Belts for work positioning and restraint and work positioning lanyards.</i> Applies to belts and lanyards intended for the purpose of work positioning or restraint. Specifies the requirements, testing, marking and information supplied by the manufacturer.
SANS 50681-1:1996/ EN 681-1:1996	<i>Elastomeric seals – Material requirements for pipe joint seals used in water and drainage applications – Part 1: Vulcanized rubber. EN corrigendum No. 1.</i> Corrected to change the requirement for elongation at break in table 3. <i>EN amendment No. 2.</i> Amended to insert information in the foreword, change "class" and "classes" to "category" and "categories" respectively, delete a heading, replace a heading and insert information under factory production control, delete reference to third party certification mark under marking and labelling, and renumber the list accordingly. <i>EN amendment No. 3.</i> Amended to delete a normative reference and to replace the requirement for factory production control. <i>National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.

Standard No. and year	Title, scope and purport
SANS 51124-1:2008/ EN 1124-1:1999	<i>Pipes and fittings of longitudinally welded stainless steel pipes with spigot and socket for waste water systems Part 1: Requirements, testing, quality control. EN amendment No. 1.</i> Amended to delete clause 12 and add a range of areas under the title 'Evaluation of Conformity', add sections to clauses 13 to 16, rename Annex A and add Annex ZA to the document.
SANS 60095-4:2008/ IEC 60095-4:2008 (SABS IEC 60095-4:1989)	<i>Lead-acid starter batteries – Part 4: Dimensions of batteries for heavy vehicles.</i> Applicable to lead-acid batteries used for starting, lighting and ignition of heavy trucks, commercial vehicles, buses and agricultural trucks.
SANS 60254-2:2008/ IEC 60254-2:2008 SABS IEC 60254-2:2000)	<i>Lead-acid traction batteries – Part 2: Dimensions of cells and terminals and marking of polarity on cells.</i> Applicable to lead-acid traction batteries used as power sources for electric propulsion. Specifies the maximum external (overall) dimensions of traction battery cells, the form of the marking of traction battery cell polarity and dimensions of corresponding symbols, the basic dimensions of commonly used traction battery terminals designed to connect output cables to the battery, and the dimensions of cells commonly used in Asia and North America.
SANS 60320-1:2008/ IEC 60320-1:2007 (Ed. 3.1)	<i>Appliance couplers for household and similar general purposes – Part 1: General requirements. Consolidated edition incorporating amendment No. 1.</i> Amended to add requirements for non-standardized appliance couplers, for connectors and for clamping units, and to change the "GO" gauge for connectors for class I equipment for cold conditions.
SANS 60335-2-6:2008/ IEC 60335-2-6:2008 (Ed. 3.2)	<i>Household and similar electrical appliances – Safety – Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances. Consolidated edition incorporating amendment No. 2.</i> Amended to include induction wok elements into the standard, to add marking and stability requirements for stabilizing means of cooking ranges normally placed on the floor, construction and strength requirements for ovens with detachable shelves, requirements for remote operation, for non-detachable covers for the fuses of socket-outlets, and requirements for the electronic feed back control in the test for radiation and toxicity, and to add a referenced standard to the bibliography.
SANS 60335-2-13:2008/ IEC 60335-2-13:2008 (Ed. 2.2)	<i>Household and similar electrical appliances – Safety – Part 2-13: Particular requirements for deep fat fryers, frying pans and similar appliances. Consolidated edition incorporating amendment No. 2.</i> Amended to change the introduction, to clarify the scope, to add to the instructions for use and the test for abnormal operation, and to add a referenced standard to the bibliography.
SANS 60335-2-23:2008/ IEC 60335-2-23:2008 (Ed. 3.1)	<i>Household and similar electrical appliances – Safety – Part 2-23: Particular requirements for appliances for skin or hair care. Consolidated edition incorporating amendment No. 1.</i> Amended to add information to the foreword and introduction, to add to the scope, to update a referenced standard, to change symbols used in instructions, to change a test for abnormal operation, to number an addition, and to add referenced standards to the bibliography.
SANS 60335-2-32:2008/ IEC 60335-2-32:2008 (Ed. 3.1)	<i>Household and similar electrical appliances – Safety – Part 2-32: Particular requirements for massage appliances. Consolidated edition incorporating amendment No. 1.</i> Amended to add information to the foreword and introduction, to include water-filled foot massagers in the standard, to add to the instructions for use with regard to leaking and heating, to add an instruction and a test for the safety of the construction, and to add a referenced standard to the bibliography.
SANS 60335-2-50:2008/ 6035-2-50:2008 (Ed. 4.1)	<i>Household and similar electrical appliances – Safety – Part 2-50: Particular requirements for commercial electric bain-marie. Consolidated edition incorporating amendment No. 1.</i> Amended to add a requirement for classification, and to modify a requirement for thermal cut-outs in construction.
SANS 60335-2-64:2008/ SABS IEC 60335-2-64:2008 (Ed. 3.1)	<i>Household and similar electrical appliances – Safety – Part 2-64: Particular requirements for commercial electric kitchen machines. Consolidated edition incorporating amendment No. 1.</i> Amended to change a symbol relating to stability and mechanical hazards and to amend clause 22, Construction.
SANS 60335-2-69:2008/ IEC 60335-2-69:2008 (Ed. 3.2)	<i>Household and similar electrical appliances – Safety – Part 2-69: Particular requirements for wet and dry vacuum cleaners, including power brush, for industrial and commercial use. Consolidated edition incorporating amendment No. 2.</i> Amended to exclude electrical garden blowers, update a referenced standard, to add to the marking and instructions for class H, M and L appliances, to replace the figure of a warning label and correct two figures (annex AA), add and modify requirements for type 22 appliances, and to replace two figures for marking of type 22 appliances,
SANS 60335-2-91:2008/ IEC 60335-2-91:2008	<i>Household and similar electrical appliances – Safety – Part 2-91: Particular requirements for walk-behind and hand-held lawn trimmers and lawn edge trimmers.</i> Deals with the safety of electric powered walk-behind and hand-held lawn trimmers and lawn edge trimmers, with cutting element(s) of non-metallic filament line or freely pivoting non-metallic cutter(s), with a kinetic energy of not more than 10 J each, used by a standing operator for cutting grass, their rated voltage being not more than 250 V for a.c. or 50 V d.c.
SANS 60335-2-94:2008/ IEC 60335-2-94 (SABS IEC 60335-2-94:2003)	<i>Household and similar electrical appliances – Safety – Part 2-94: Particular requirements for scissors type grass shears.</i> Deals with electric powered hand-held scissors type grass shears with a maximum cutting width of 200 mm designed primarily for cutting grass, their rated voltage being not more than 250 V for a.c. or 50 V d.c.
SANS 60335-2-105:2008 (Ed. 1.1)	<i>Household and similar electrical appliances – Safety – Part 2-105: Particular requirements for multifunctional shower cabinets. Consolidated edition incorporating amendment No. 1.</i> Amended to add information to the foreword and introduction, to include separate multifunctional shower unit in the standard, to add and change requirements for construction and heat, to add an example of a separate multifunctional shower unit, and to add referenced standards to the bibliography.
SANS 60478-4:1976/ IEC60476-4:1976	<i>Stabilized power supplies, d.c. output Part 4: Tests other than radio-frequency interference. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60730-2-14:2008 (Ed. 1.2)	<i>Automatic electrical controls for household and similar use – Part 2-14: Particular requirements for electric actuators. Consolidated edition incorporating amendment No. 2.</i> Amended to add information to the foreword, to allow a marking symbol, and to change requirements for creepage distances, clearances and distances through insulation, normal operation, and electromagnetic compatibility.

Standard No. and year	Title, scope and purport
SANS 60730-2-17:2008 (Ed. 1.2)	<i>Automatic electrical controls for household and similar use – Part 2-17: Particular requirements for electrically operated gas valves, including mechanical requirements. Consolidated edition incorporating amendment No. 2.</i> Amended to extend the scope, to update normative references, to add clause numbers to the list of national deviations in some countries, to classify valves according to sealing force, to refer to current practice in the country members of CEN/CENELEC, to change the titles of clauses 20, 23 and 26, to add requirements for construction of valves and electromagnetic compatibility, to add maximum winding temperatures for impedance protected motorized electric actuators, and to change the requirements for construction of valves, the overvoltage and undervoltage test, and the use of electronic disconnection.
SANS 60730-2-19:2008 (Ed. 1.2)	<i>Automatic electrical controls for household and similar use – Part 2-19: Particular requirements for electrically operated oil valves, including mechanical requirements. Consolidated edition incorporating amendment No. 2.</i> Amended to extend the scope, to update normative references, to add clause numbers to the list of national deviations in some countries, to classify normally open valves as automatic and semi-automatic with latch, to add requirements for normally open valves and electromagnetic compatibility, to change the titles of clauses 20, 23 and 26, to add maximum winding temperatures for impedance protected motorized electric actuators, to change the requirements for normally closed valves and for safety shutoff valves, the overvoltage and undervoltage test, and the use of electronic disconnection.
SANS 60745-2-16:2008/ IEC 60745-2:2008 (SABS IEC 60745-2-16:1993)	<i>Hand-held motor-operated electric tools – Safety – Part 2-16: Particular requirements for tackers.</i> Deals with the safety of hand-held motor-operated tackers intended for general use, with a rated voltage of not more than 250 V for single-phase a.c. or d.c. tackers and 440 V for three-phase a.c. tackers. Does not apply to tackers intended for industrial production applications.
SANS 60754-2:1991/ IEC 60754-2:1991	<i>Test on gases evolved during combustion of materials from cables – Part 2: Determination of degree of acidity of gases by measuring pH and conductivity. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60793-1-1:2008/ IEC 60793-1-1:2008 (SABS IEC 60793-1-1)	<i>Optical fibres – Part 1-1: Measurement methods and test procedures – General and guidance.</i> Lists and gives an overview of the documents giving the uniform requirements for measuring and testing optical fibres, thereby assisting in the inspection of fibres and cables for commercial (mostly telecommunications) purposes.
SANS 60793-2-50:2008/ IEC 60793-2-50:2008	<i>Optical fibres – Part 2-50: Product specifications – Sectional specification for class B single-mode fibres.</i> Applicable to optical fibre types B1.1, B1.2, B1.3, and categories B2, B4, B5 and B6. These fibres are used or can be incorporated in information transmission equipment and optical fibre cables.
SANS 60811-1-2:1985/ IEC 60811-1-12:1985	<i>Common test methods for insulating and sheathing materials of electric and optical cables – Part 1: Methods for general application – Section 2: Thermal ageing methods. IEC corrigendum No. 1.</i> Corrected to amend the table in Appendix A, clause A2. National amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60811-1-4:1985/ IEC 60811-1-4:1985	<i>Common test methods for insulating and sheathing materials of electric and optical cables – Part 1-4: Methods for general application – Test at low temperature. IEC corrigendum No. 1.</i> Corrected to amend the table in appendix A, clause A2. National amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60811-3-1:1985/ IEC 60811-3-1:1985	<i>Common test methods for insulating and sheathing materials of electric cables – Part 3: Methods specific to PVC compounds – Section 1 – Pressure test at high temperature – Tests for resistance to cracking. IEC corrigendum No. 1.</i> Changed to refer to the partial discharge test and the test for thermal stability of PVC insulations and sheaths in IEC 60885. National amendment No. 1. Amended to change the designation from SABS to SANS, with no technical changes.
SANS 60901:2008/ IEC 60901:2008 (Ed. 2.4)	<i>Single-capped fluorescent lamps – Performance specifications. Consolidated edition incorporating amendment No. 4.</i> Amended to replace and add lamp data sheets.
SANS 60947-1:2008/ IEC 60947-1:2007 (SABS IEC 60947-1:2005)	<i>Low-voltage switchgear and controlgear – Part 1: General rules.</i> Applies, when required by the relevant product standard, to switchgear and controlgear hereinafter referred to as "equipment" and intended to be connected to circuits, the rated voltage of which does not exceed 1 000 V a.c. or 1 500 V d.c.
SANS 60947-5-2:2008/ IEC 60947-5-2:2007 (SABS IEC 60947-5-2:2005)	<i>Low-voltage switchgear and controlgear – Part 5-2: Control circuit devices and switching elements – Proximity switches.</i> Applies to inductive and capacitive proximity switches that sense the presence of metallic and/or non-metallic objects, ultrasonic proximity switches that sense the presence of sound reflecting objects, photoelectric proximity switches that sense the presence of objects and non-mechanical magnetic proximity switches that sense the presence of objects with a magnetic field.
SANS 61000-3-2:2006/ IEC 61000-3-2:2005	<i>Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current ≤ 16 A per phase). IEC amendment No. 1.</i> Amended to add definitions for the repeatability, reproducibility and variability of results of measurement, and provide additional test conditions for the measurement of harmonic currents associated with equipment such as vacuum cleaners and IT equipment.
SANS 61000-4-3:2008 (Ed. 3.1)	<i>Electromagnetic compatibility (EMC) – Part 4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test. Consolidated edition incorporating amendment No. 1.</i> Amended to add an informative annex on the calibration method for e-field probes.
SANS 61089:1991/ IEC 60189:1991	<i>Round wire concentric lay overhead electrical stranded conductors. National amendment No. 1.</i> Amended to change the designation from SABS to SANS, with no technical changes.
SANS 61466-1:1997/ IEC 61466-1:1997	<i>Composite string insulator units for overhead lines with a nominal voltage greater than 1 000 V – Part 1: Standard strength classes and end fittings. IEC corrigendum No. 1.</i> Corrected to take dimension d2 in table C.1 to be taken as the width of the hole.

Standard No. and year	Title, scope and purport
SANS 62552:2008/ IEC 62552:2007	<i>Household refrigerating appliances – Characteristics and test methods. IEC corrigendum No. 1. Changed to correct symbols and a temperature rise value.</i>
SANS 301428:2008/ ETSI EN 301428:2006	<i>Satellite Earth Stations and Systems (SES); Harmonized EN for Very Small Aperture Terminal (VSAT); Transmit-only, transmit/receive or receive-only satellite earth stations operating in the 11/12/14 GHz frequency bands covering essential requirements under article 3.2 of the R&TTE directive. Applies to Very Small Aperture Terminals (VSATs) that operate in one or more frequency ranges in the part of the following bands allocated exclusively to the Fixed Satellite Services (FSS): 14,00 GHz to 14,25 GHz (earth-to-space); 12,50 GHz to 12,75 GHz (space-to-earth); or in the shared parts of the following bands, allocated to the FSS and Fixed Services (FS): 14,25 GHz to 14,50 GHz (earth-to-space); 10,70 GHz to 11,70 GHz (space-to-earth).</i>
SANS 301443:2008/ ETSI EN 301443:2006	<i>Satellite Earth Stations and Systems (SES); Harmonized EN for Very Small Aperture Terminal (VSAT); Transmit-only, transmit-and-receive, receive-only satellite earth stations operating in the 4 GHz and 6 GHz frequency bands covering essential requirements under article 3.2 of the R&TTE Directive. Applies to the Very Small Aperture Terminals (VSATs), with their ancillary equipment and various terrestrial ports, and when operated within the boundary limits of the operational environmental profile declared by the applicant.</i>

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 30:1991	<i>Cold reduced electrolytic tinplate.</i>
SANS 86:2007	<i>Threads per unit length in woven textile fabrics (other than narrow fabrics, and having more than 10 threads per cm): counting-glass method.</i>
SANS 87:2007	<i>Threads per unit length in woven textile fabrics (other than narrow fabrics): traversing thread counter method.</i>
SANS 88:2007	<i>Threads per unit length in woven textile fabrics (other than narrow fabrics): dissection of fabric method.</i>
SANS 119:1982	<i>Metallic materials – Hardness test – Calibration of standardized blocks to be used for Brinell hardness testing machines.</i>
SANS 234:2006	<i>Bursting strength of fabrics: Diaphragm pressure test.</i>
SANS 244:1978	<i>Wax crayons.</i>
SANS 259-1:2003	<i>Earth-moving machinery – Operator's field of view – Part 1: Test method.</i>
SANS 259-2:2003	<i>Earth-moving machinery – Operator's field of view – Part 2: Evaluation method.</i>
SANS 259-3:2003	<i>Earth-moving machinery – Operator's field of view – Part 3: Criteria.</i>
SANS 494:1997	<i>Sterile surgical suture and ligature materials.</i>
SANS 596:1987	<i>The production of compound sodium chloride intravenous infusion (Ringer's solution for injection).</i>
SANS 624:1987	<i>The production of Darrow's solution for intravenous infusion.</i>
SANS 958:1999	<i>Mepivacaine hydrochloride and levonordefrin injection for dental use.</i>
SANS 979:2006	<i>Textile products – Permanent mothproofing.</i>
SANS 1093:2006	<i>Breaking strength and elongation at break (strip method).</i>
SANS 1095:1073	<i>Breaking strength of textile fabrics: grab method.</i>
SANS 1250:1979	<i>Capacitors for use with fluorescent and other discharge lamp ballasts.</i>
SANS 1333:1981	<i>Dental mercury.</i>
SANS 1432:1999	<i>Prilocaine hydrochloride injection for dental use.</i>
SANS 1511:1990	<i>The production of calcium chloride injection.</i>
SANS 1512:1990	<i>The production of potassium chloride injection.</i>
SANS 1513:1990	<i>The production of magnesium sulphate injection.</i>
SANS 1562:1992	<i>Aging-resistant steels for haulage and lifting equipment.</i>
SANS 1700-2-11:1996	<i>Fasteners – Part 2: Screw threads – Section 11: ISO inch screw threads – Basic dimensions.</i>

SANS 1788:2003	<i>Emulsion degreasers – Fire-retardant and non-combustible.</i>
SANS 4042:1999	<i>Fasteners – Electroplated coatings (SABS 1700 Fasteners – Part 5: General requirements and mechanical properties – Section 11).</i>
SANS 5065:1987	<i>Chloride in pharmaceutical products, limit test.</i>
SANS 5913:1975	<i>Volatile and non-volatile matter content of paints, lacquers, and varnishes (glass-slide method).</i>
SANS 5285:1987	<i>Ammonium in pharmaceutical solutions, limit test.</i>
SANS 5287:1975	<i>Calcium in solutions, detection.</i>
SANS 5289:1987	<i>Chlorides in solids and liquids, detection.</i>
SANS 5290:1975	<i>Non-volatile matter content of solutions.</i>
SANS 5291:1987	<i>Oxidizable matter in water for injections, limit test.</i>
SANS 5292:1987	<i>Sulphates in solutions, detection.</i>
SANS 5296:1975	<i>Calcium chloride content of solutions.</i>
SANS 5392:1987	<i>Acidity or alkalinity of water for injections, limit test.</i>
SANS 5402:1973	<i>Fabric recovery from creasing: angle of recovery method.</i>
SANS 5446:1987	<i>Ferrocyanides, detection.</i>
SANS 5562:1987	<i>Calcium and magnesium in water for injections, absence of.</i>
SANS 5600:1978	<i>Acute systemic toxicity of plastics for medical use.</i>
SANS 5601:1975	<i>Intracutaneous reactivity of plastics for medical use.</i>
SANS 5921:1978	<i>Total moisture content of coal (distillation method).</i>
SANS 5922:1978	<i>Total moisture content of coal (nitrogen-oven method).</i>
SANS 5923:1978	<i>Total moisture content of coal (air-oven method).</i>
SANS 5926:1995	<i>Solid mineral fuels – Determination of ash content.</i>
SANS 5940:1980	<i>Softening point of the non-volatile matter of wax polishes.</i>
SANS 5968:1987	<i>Nitrates in water for injections, limit test.</i>
SANS 6099:1987	<i>Sodium chloride (in the presence of potassium chloride) content of solutions.</i>
SANS 8561:1995	<i>Household frost-free refrigerating appliances – Refrigerators, refrigerator-freezers, frozen food storage cabinets and food freezers cooled by internal forced air circulation – Characteristics and test methods.</i>
SANS 10053:2001	<i>The standard viscosity classification of industrial lubricating oils (metric units).</i>
SANS 15504-9:1998	<i>Information technology – Software process assessment – Part 9: Vocabulary.</i>
SANS 15846:1998	<i>Information technology – Software life cycle processes – Configuration management Information technology – Software life cycle processes – Configuration management</i>
SANS 17799:2005	<i>Information technology – Security techniques – Code of practice for information security management.</i>
SANS 60849:2005	<i>Sound systems for emergency purposes.</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.
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