

# SANS Standards

## Quick Reference Guide

South African National Standards — Reference and Finder

50+ key standards across 8 industry sectors

Construction · Electrical · Food · Healthcare · Automotive · IT · Management · Environment

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## What Are SANS Standards?

South African National Standards (SANS) are technical documents developed and published by the South African Bureau of Standards (SABS) under the Standards Act 8 of 2008. They define requirements for products, services, processes, and systems used in South Africa. Some SANS are voluntary; others are made compulsory through Compulsory Specifications (VCs) issued by the NRCS under the NRCS Act 5 of 2008.

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## Construction and Building

SANS Code	Title	Key Requirement / Scope
SANS 10400	Application of the National Building Regulations	Mandatory building code for all construction in SA; covers structural, fire, etc.
SANS 10400-T	Fire Protection (Part T)	Fire detection, suppression, egress requirements for buildings
SANS 10400-XA	Energy Usage in Buildings (Part XA)	Minimum energy performance for new buildings; fenestration, insulation, etc.
SANS 10400-W	Stormwater Disposal (Part W)	Stormwater drainage design for buildings and sites
SANS 1200	Standardised Specification for Civil Engineering Construction	Earthworks, concrete, piling, pipelines — 20+ sub-parts
SANS 10082	Timber Buildings	Structural timber design and construction requirements
SANS 10160	Basis of Structural Design and Actions for Buildings	Load combinations, wind, seismic, and imposed loads
SANS 10177	Fire Testing of Materials	Reaction-to-fire classification for building products
SANS 10252	Water Supply and Drainage for Buildings	Plumbing, hot water systems, drainage pipe sizing
SANS 10400-S	Stairs, Ramps, and Ladders (Part S)	Dimensional requirements for stairs, handrails, ramps

## Electrical and Electronics

SANS Code	Title	Key Requirement / Scope
SANS 10142-1	Wiring of Premises — Low-voltage Installations	The primary electrical installation standard; required for CoC (Certificate of Compliance)

SANS Code	Title	Key Requirement / Scope
SANS 10142-2	Wiring of Premises — Hazardous Locations	Electrical installations in explosive atmospheres
SANS 10142-3	Wiring of Premises — Mines	Underground and surface mine electrical installations
SANS 61439	Low-voltage Switchgear and Controlgear Assemblies	Design and testing of LV switchboards and distribution boards
SANS 60529	Degrees of Protection (IP Codes)	IP rating classification for enclosures against dust and water
SANS 62368-1	Audio/Video, IT and Communication Equipment Safety	Replaces IEC 60950-1 and IEC 60065 for AV/IT equipment
SANS 60335-1	Safety of Household Appliances — General Requirements	Base standard for all household electrical appliances
SANS 60598-1	Luminaires — General Requirements	Safety and performance of lighting fixtures
SANS 10198	The Selection, Handling and Installation of Electric Power Cables	14 Chapters covering MV/LV cable installation
SANS 10086	Installation and Maintenance of Electrical Machines	Motors, generators, and rotating machine installation

## Food, Beverage and Agriculture

SANS Code	Title	Key Requirement / Scope
SANS 10049	Food Hygiene Management	HACCP-based food safety management for food handlers and premises
SANS 10330	HACCP System	Hazard Analysis and Critical Control Points implementation
SANS 1841	Honey	Compositional and labelling requirements for honey sold in SA
SANS 10131	Above-ground Storage of Flammable Liquids	Storage tanks for fuels and flammable liquids at food/agri facilities
SANS 3	Fertilisers	Composition, labelling, and registration of fertilisers under the Fertilisers Act
SANS 10386	The Keeping of Wild Animals	Welfare and housing standards for captive wild animals
SANS 1828	Disinfectants for Use in Food Processing	Efficacy and labelling requirements for food-contact disinfectants
SANS 10234	Globally Harmonised System (GHS) for Classification and Labelling of Chemicals	Classification and labelling of chemicals including agri-chemicals

## Healthcare and Medical Devices

SANS Code	Title	Key Requirement / Scope
SANS 60601-1	Medical Electrical Equipment — General Safety	Base safety standard for all medical electrical equipment
SANS 62133	Safety Requirements for Portable Sealed Secondary Cells	Battery safety for portable medical devices
SANS 13485	Medical Devices — Quality Management Systems	QMS requirements specific to medical device manufacturers
SANS 14971	Application of Risk Management to Medical Devices	Risk management process for medical device lifecycle
SANS 10400-H	Accommodation (Part H)	Minimum space and facility requirements including healthcare facilities
SANS 10083	The Marking of Medications	Labelling requirements for pharmaceutical products sold in SA

## Automotive and Transport

SANS Code	Title	Key Requirement / Scope
SANS 20	Zinc Alloy Die Castings	Material specification for automotive die-cast components
SANS 1518	Transport of Dangerous Goods	Packaging, marking, and documentation for dangerous goods transport
SANS 10231	Transport of Dangerous Goods by Road	Vehicle requirements and driver training for hazmat transport
SANS 10216	Motor Vehicle Accident Fund	Procedures for accident reporting and claims (reference standard)
SANS 10047	Transportation of Dangerous Goods by Road and Rail	Emergency response and consignment documentation

SANS Code	Title	Key Requirement / Scope
SANS 1395	Automotive Fuel — Unleaded Petrol	Specification for unleaded petrol sold in South Africa

## Management Systems (ISO Aligned)

SANS Code	Title	Key Requirement / Scope
SANS 9001	Quality Management Systems — Requirements	The globally recognised QMS standard; required for many tenders and suppliers
SANS 14001	Environmental Management Systems	EMS framework for reducing environmental impact
SANS 45001	Occupational Health and Safety Management Systems	Replaces OHSAS 18001; required by many SA employers
SANS 27001	Information Security Management Systems	ISMS requirements for protecting information assets
SANS 50001	Energy Management Systems	Framework for improving energy performance and reducing costs
SANS 22000	Food Safety Management Systems	FSMS requirements for food chain organisations
SANS 31000	Risk Management — Guidelines	Principles and guidelines for enterprise risk management

## Key Compulsory Specifications (VCs)

Compulsory Specifications (VCs) are issued by the NRCS and make compliance with specific SANS standards legally mandatory for products sold in South Africa. Products subject to a VC require a Letter of Authority (LoA) before they can be imported or sold.

SANS Code	Title	Key Requirement / Scope
VC 8055	Electrical Apparatus (Household and Similar)	Covers household appliances, extension cords, plugs, switches — mandatory LoA
VC 8036	Electrical Equipment (General)	Industrial and commercial electrical equipment — mandatory LoA
VC 9008	Automotive Components	Tyres, batteries, safety glass, seat belts — mandatory LoA
VC 9091	Compact Fluorescent Lamps (CFLs)	Energy efficiency and safety requirements for CFL lamps
VC 8055 (Construction)	Construction Materials	Cement, reinforcing steel, bricks — mandatory SABS mark or LoA
VC 8004	Measuring Instruments	Legal metrology requirements for scales, meters, and measuring devices

## How to Access SANS Documents

Method	Cost	Best For
SABS Webstore (store.sabs.co.za)	Paid — from ~R400 per standard	Single standards; official PDF download; most current version
Sabinet (journals.co.za)	Subscription or per-document	Academic and research access; bulk subscriptions for organisations
SABS Library (Groenkloof, Pretoria)	Free (in-person reading)	Reference use without purchase; not available for download
Withdrawn Standards	Free download from SABS	Older versions; useful for historical reference or legacy products
IEC/ISO Webstore	Paid (USD/EUR)	International versions; identical technical content to most SANS

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