

GENERAL NOTICES • ALGEMENE KENNISGEWINGS

DEPARTMENT OF TRADE, INDUSTRY AND COMPETITION**NOTICE 2463 OF 2024****NATIONAL REGULATOR FOR COMPULSORY SPECIFICATIONS ACT****(Act No. 5 of 2008), AS AMENDED THROUGH LEGAL METROLOGY ACT****(Act No. 9 of 2014)****PROPOSED AMENDMENT TO THE COMPULSORY SPECIFICATION FOR ENERGY EFFICIENCY AND LABELING OF ELECTRICAL OR ELECTRONIC APPLIANCES (VC 9008)**

I, Ebrahim Patel, the Minister of Trade, Industry and Competition, hereby under section 13(4)(a) and 13(4)(b) of the National Regulator for Compulsory Specifications Act (Act 5 of 2008), and, on the recommendation of the NRCS, intend to declare the amendment to the compulsory specification for energy efficiency and labeling of electrical or electronic appliances as set out in the attached schedule.

Any person, who wishes to comment on this intention to declare the aforementioned amendment to Compulsory Specification concerned, shall submit their comments, in writing, to the Chief Executive Officer, National Regulator for Compulsory Specifications, email: Theresa.Stoltz@nrqs.org.za, Private Bag X 25, Brooklyn, 0075, on or before the date one (1) month after the publication of this notice.

**Ebrahim Patel****Minister of Trade, Industry and Competition**

SCHEDULE

COMPULSORY SPECIFICATION FOR ENERGY EFFICIENCY AND LABELING OF ELECTRICAL OR ELECTRONIC APPLIANCES (VC 9008)

1. SCOPE

This compulsory specification covers minimum energy and performance standards and energy efficiency labeling requirements of the following electrical and electronic appliances:

1.1 air conditioners and heat pumps: all kind designed to be fixed to a window, wall or ceiling or floor, self-contained, portable or split-system, not exceeding 8,8kW (30 000 btu/h) cooling output or heating if the product has no cooling function;

1.2 audio, video, and related equipment, such as television sets and computer monitors, video recording equipment, set top boxes, and audio equipment;

1.3 dishwashers;

1.4 electric ovens;

1.5 refrigerators and freezers;

1.6 tumble dryers;

1.7 washer-dryer combinations; and

1.8 automatic washing machines (top loaders and front loaders)

2. DEFINITIONS

2.1 For the purposes of this document, the definitions in *SANS 50229*, *SANS 50242*, *SANS 50285*, *SANS 50304*, *SANS 54511-3*, *SANS 62301*, *SANS 60456*, *SANS 61121*, *SANS 62087*, *SANS 62301* and *SANS 62552* apply.

2.2 In addition, the following definitions shall apply:

2.2.1 applicant: The manufacturer or importer seeking approval of electrical or electronic appliance(s). The applicant shall be an existing legal entity within the Republic of South Africa.

2.2.2 approval: Confirmation by the NRCS that a particular electrical/electronic apparatus type satisfies the requirements of this compulsory specification.

2.2.3 declaration report: a report, that is issued by an accredited conformity assessment body, indicating the equivalence of products and/or standards.

2.2.4 NRCS: The National Regulator for Compulsory Specifications as established by the National Regulator for Compulsory Specifications Act, 2008 (Act No. 5 of 2008).

2.2.5 proof of approval: documented evidence of conformity with the requirements of this compulsory specification.

2.2.6 valid test report: an original certificate or a certified copy of an original test report.

2.2.7 valid certificate of conformity: an original certificate or a certified copy of an original certificate of conformity

2.2.8 Passive standby for audio, video and related appliances: an appliance is connected to external power supply source and does not provide its primary function. The appliance can be switched to other modes with a remote control unit or other internal signal.

2.2.9 Standby mode for electrical and electronic appliances:

product mode where the energy using product is connected to a mains power source and offers one or more of the following user oriented or protective functions which usually persist

- to facilitate the activation of other **modes** (including activation or deactivation of **active mode**) by remote switch (including remote control), internal sensor, timer;
- continuous **function**: information or status displays including clocks;
- continuous **function**: sensor-based functions

3. GENERAL REQUIREMENTS

- 3.1 The applicant shall ensure that each type of apparatus has been approved by the NRCS before offering it for sale, in accordance with the requirements of Annex A.
- 3.2 The applicant shall inform the NRCS of any change in design or materials affecting any mandatory requirement in terms of this compulsory specification. In the event of such change(s) the NRCS may, at its discretion, demand that the applicant submits a new application for approval.
- 3.3 The applicant shall, on request, provide the NRCS, within 5 working days, with satisfactory proof of approval in respect of any type of electrical or electronic appliance(s) included in the scope of this compulsory specification.
- 3.4 Failure to provide such proof shall constitute reasonable grounds for suspicion of non-compliance with the requirements of this compulsory specification.

4. SPECIFIC REQUIREMENTS

- 4.1 Audio, video and related equipment in section 1,2 of this compulsory specification shall not have a **passive standby power** of more than 0.5 Watts (W) when tested in accordance with SANS 62087 standard series.
- 4.2 Electric ovens, dishwashers, washing machines, washer-dryer combinations and tumble –dryers shall not have a standby mode power of more than 0.5 Watts (W) when tested in accordance with SANS 62301 standard.

- 4.3** The following electrical or electronic appliances in section 1 of this compulsory specification shall comply with the following minimum energy efficiency standard (MEPS) in the table below when tested in accordance with the applicable standard(s):

Electrical/ Electronic appliance	MEPS (effective 12 months after the publication of the Government Gazette)	MEPS (effective 18 months after the publication of the Government Gazette)	MEPS (effective 36 months after the publication the Government Gazette)	Applicable tests standards
Fixed-Speed Drive/Non-inverter Air Conditioners and Heat Pumps	EER \geq 3,0; COP \geq 2.8	EER \geq 3,2; COP \geq 3.1	EER \geq 3,2; COP \geq 3.1	SANS54511-3; ISO 5151
Variable-Speed Drive/Inverter Air Conditioners	EER \geq 3,0; or SEER \geq 3.6	SEER \geq 4.6 or CSPF \geq 4.2	CSPF \geq 4.5	SANS 54511-3; ISO 16358-1
Variable-Speed Drive/Inverter Heat Pumps	EER \geq 3,0; COP \geq 2.8 or SCOP \geq 3.0	SCOP \geq 3.4 or APF \geq 3.3	APF \geq 3.7	SANS 54511-3; ISO 16358-1; ISO 16358-2
Portable Air Conditioners/heat pump	EER \geq 2.6; COP \geq 3.10	EER \geq 2.6; COP \geq 3.10	EER \geq 3.1; COP \geq 3.10	SANS 54511-3; ISO 5151
Electric Ovens	A	A	A	SANS 60350-1
Refrigerators	B	A+	A+	SANS 62552 SANS 1691
Freezers	C	A	A+	SANS 62552 SANS 1691
Dishwashers	A	A	A	SANS 50242
Washing Machines	A	A+	A+	SANS 1695
Washer-dryer combinations	A	A	A	SANS 50229
Tumble-dryers	C	C	C	SANS 61121

- 4.4 All electrical or electronic appliances shall comply with the latest energy efficiency label published by the Department of Mineral Resources and Energy of South Africa.
- 4.5 Refrigerant used in air conditioners, refrigerators and freezer shall comply with the latest refrigerant regulations published by the Department of Forestry, Fisheries and the Environment.

5. EQUIVALENCE OF STANDARDS

Standards issued by different standardization bodies such as ISO, IEC and EN, will only be accepted if it is proven, in the form of a declaration report from an accredited conformity assessment body, that they are technically equivalent to the relevant South African National Standard or referred by this compulsory specification. The applicant shall be responsible for obtaining such a declaration report. Proof of conformity with such a standard shall be accepted as conformity with the corresponding South African National Standard.

6. CONFORMITY TO REFERENCED STANDARDS

- 6.1 For the purposes of this compulsory specification, a new edition of a referenced standard shall become effective twelve (12) months from the date of publication as a South African National Standard.
- 6.2 New products, or products resubmitted for approval because of a change in design or materials, shall in all cases be evaluated against the requirements of the latest edition of any referenced standard.
- 6.3 When a new edition of a referenced standard is published, products originally approved in accordance with the previous edition of that standard may have their approval extended for up to five years from the effective date of the new standard, subject to the requirements of Annex A, unless declared otherwise by the Minister.

7. EVIDENCE OF CONFORMITY

The following forms of evidence shall be submitted to the NRCS as proof of conformity with the requirements of this compulsory specification:

- 7.1** Test reports in IEC format or any equivalent format acceptable to the NRCS and issued by an appropriately accredited and internationally recognized body being a member of an IAF/ILAC/IECEE mutual recognition scheme in accordance with the NRCS's conformity assessment policy.
- 7.2** The test reports shall prove conformity with all the applicable mandatory requirements.
- 7.3** Evidence of conformity shall be traceable to the specific apparatus.

ANNEX A

APPROVAL OF ELECTRICAL/ELECTRONIC APPLIANCES

A.1 APPLICATION FOR APPROVAL

An application for approval of each type of electrical or electronic appliance intended for sale shall include:

A.1.1 Details of the type of electrical or electronic appliance for which approval is sought and the standard(s) to which it is claimed to conform;

A.1.2 Details of the manufacturing plant(s) in which the electrical or electronic appliances(s) type is produced;

A.1.3 For new applications, proof of conformity, with all the requirements of this compulsory specification, issued less than 36 months before the date of submission to the NRCS;

A.1.4 On expiry of the approval, an application for an extension may be granted, provided that all the conditions of the previous approval were met. In this case, proof of compliance, with all the requirements of the relevant compulsory specification, issued less than 60 months before the date of submission to the NRCS, shall be required;

A.1.5 Identification markings and other information appearing on the product; and

A.1.6 Any reasonable additional information in order to clarify the above that may be requested by the NRCS.

A.2 APPROVAL

A.2.1 The NRCS shall assess the evidence of conformity supplied by the applicant and shall decide to grant approval or not, at its sole discretion.

A.2.2 The NRCS shall assign a unique number to each approval.

A.2.3 The NRCS shall issue a letter of authority certificate (LOA) for each successful application, to the applicant, when all the requirements have been met. The validity period of an LOA shall be three (3) years and three (3) years for an extension.

A.2.4 The approval granted with respect to each type of Electrical/Electronic Apparatus that is pursuant to this compulsory specification may be withdrawn at any time, after the manufacturer has been notified in writing, if the requirements have not been met or maintained.