

**DEPARTMENT OF TRADE AND INDUSTRY  
DEPARTEMENT VAN HANDEL EN NYWERHEID**

No. 944

28 November 2014

**NATIONAL REGULATOR FOR COMPULSORY SPECIFICATIONS ACT  
(Act 5 of 2008)**

**COMPULSORY SPECIFICATION FOR ENERGY EFFICIENCY AND  
LABELING OF ELECTRICAL AND ELECTRONIC APPARATUS (VC 9008)**

I, Dr Rob Davies, the Minister of Trade and Industry, hereby under section 13 (1) (a) of the National Regulator for Compulsory Specifications Act, (Act 5 of 2008), and on the recommendation of the NRCS, declare the compulsory specification set out in the attached schedule, to be a compulsory specification for energy efficiency and labeling of electrical and electronic apparatus. The compulsory specification shall be effective in accordance with the following phases:

**Phase 1:**

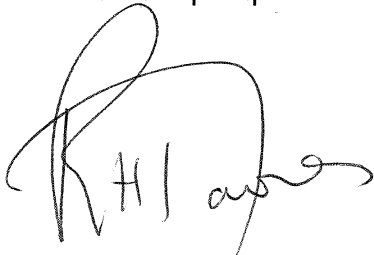
- Six (6) months after the publication of this notice for audio, video and related equipment.
- Products that are already in the market and approved by the NRCS for safety requirements are to comply with this compulsory specification twelve (12) months after the publication of this notice.

**Phase 2:**

- Nine (9) months after the publication of this notice for electric ovens, refrigerators, freezers, dishwashers, tumble dryers, washer-dryer combinations and washing machines.
- Products that are already in the market and approved by the NRCS for safety requirements are to comply with this compulsory specification twelve (12) months after the publication of this notice.

**Phase 3:**

- Eighteen (18) months after the publication of this notice for air conditioners and heat pumps.



**Dr Rob Davies, MP**

**Minister of Trade and Industry**

## SCHEDULE

### COMPULSORY SPECIFICATION FOR ENERGY EFFICIENCY AND LABELING OF ELECTRICAL AND ELECTRONIC APPARATUS (VC 9008)

#### 1. SCOPE

1.1 This compulsory specification covers energy efficiency requirements and energy efficiency labeling of the following electrical and electronic apparatus:

- a) air conditioners not exceeding 7.1 kW (24 000 btu/h) cooling capacity, of the wall mounted split, window and portable types, and heat pumps for space heating and cooling;
- b) audio and video equipment, including television sets, video recording equipment, simple set top boxes (SSTBs), audio equipment and multi-function equipment for consumer use; television sets include, but are not limited to, those with cathode ray tube (CRT), liquid crystal display (LCD), plasma display panel (PDP), or projection technologies;
- c) dishwashers;
- d) electric ovens;
- e) refrigerators and freezers;
- f) tumble dryers;
- g) washer-dryer combinations; and
- h) washing machines.

## 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 60081*, *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 and Electronic apparatus. 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 **conformity of production:** Proof that electrical/electronic apparatus offered for sale have been manufactured to the approved design and continue to comply with the requirements of this compulsory specification.

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

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

2.2.6 **proof of conformity:** Documented evidence of conformity with the requirements of this compulsory specification.

2.2.7 **valid test report:** An original certificate or a certified copy of an original test report.

2.2.8 **valid certificate of conformity:** An original certificate or a certified copy of an original certificate of conformity.

2.2.9 **small electrical oven:** Is an electrical oven with a volume = 12 L (litres) and volume < 35 L (litres).

2.2.10 **medium electrical volume:** Is an electrical oven with a volume = 35 L and volume < 65 L (litres) ;

2.2.11 **large electrical oven:** is an oven with a volume =65 L (litres).

### **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 submit a new application for approval.
- 3.3** The applicant shall, on request, provide the NRCS, within five (5) working days, with satisfactory proof of approval in respect of any type of Electrical/Electronic apparatus included in the scope of this compulsory specification.
- 3.4** The applicant shall on request provide the NRCS, within five (5) working days, with satisfactory proof of conformity of production.
- 3.5** 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 Air Conditioners and Heat Pumps**

Air conditioners shall comply with SANS 941, and shall have a minimum energy efficiency rating of Class B.

#### **4.2 Audio and Video Equipment**

Audio and Video Equipment shall comply with SANS 941.

#### **4.3 Large Electric Ovens**

Large Electric Ovens shall comply with SANS 941, and shall have a minimum energy efficiency rating of Class B.

#### **4.4 Small/ Medium Electric Ovens**

Electric Ovens shall comply with SANS 941, and shall have a minimum energy efficiency rating of Class A.

#### **4.5 Refrigerators**

Refrigerators shall comply with SANS 941, and shall have a minimum energy efficiency rating of Class B.

#### **4.6 Freezers**

Freezers shall comply with SANS 941, and shall have a minimum energy efficiency rating of Class C.

#### **4.7 Dishwashers**

Dishwashers shall comply with SANS 941, and shall have a minimum energy efficiency rating of Class A.

#### **4.8 Washing Machines**

Washing Machines shall comply with SANS 941, and shall have a minimum energy efficiency rating of Class A.

#### **4.9 Washer-dryer combinations**

Washer-dryer combination machines shall comply with SANS 941, and shall have a minimum energy efficiency rating of Class A.

#### **4.10 Tumble -dryers**

Tumble-dryers shall comply with SANS 941, and shall have a minimum energy efficiency rating of Class D.

### **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. 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/EN 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 AND ELECTRONIC APPARATUS**

### **A.1 APPLICATION FOR APPROVAL**

An application for approval of each type of Electrical/Electronic apparatus intended for sale shall include:

**A.1.1** Details of the type of Electrical/Electronic apparatus 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/Electronic apparatus 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 years and two 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.