

## DEPARTMENT OF TRADE AND INDUSTRY

NO. 465

26 MAY 2017

**NATIONAL REGULATOR FOR COMPULSORY SPECIFICATIONS ACT  
(Act No. 5 of 2008), AS AMENDED THROUGH THE LEGAL METROLOGY ACT (Act  
No. 9 of 2014)**

**AMENDMENT TO THE COMPULSORY SPECIFICATION FOR ELECTRICAL AND  
ELECTRONIC APPARATUS (VC 8055).**

It is hereby made known under section 13(4) of the National Regulator for Compulsory Specifications Act, (Act 5 of 2008) as amended, that I, Dr Rob Davies, Minister of Trade and Industry, on the recommendation of the NRCS, intends to declare the amendment to the compulsory specification for electrical and electronic apparatus as set out in the attached Schedule.

Any person, who wishes to comment on the intention to thus declare the amendment to the compulsory specification concerned shall submit their comments, in writing, to the Chief Executive Officer, National Regulator for Compulsory Specifications, Private Bag X 25, Brooklyn, 0075, on or before the date two (2) months after the publication of this notice.

A handwritten signature in blue ink, appearing to read 'Rob Davies', is positioned above the printed name and title of the Minister of Trade and Industry.

**Dr Rob Davies, MP  
Minister of Trade and Industry**

**SCHEDULE****COMPULSORY SPECIFICATION FOR ELECTRIC AND ELECTRONIC APPARATUS****(VC 8055)****1. SCOPE**

- 1.1 This compulsory specification covers safety requirements for electric and electronic apparatus with rated voltages not exceeding 600V a.c. or d.c. This compulsory specification includes, but not limited to the following:
- 1.1.1 Household and similar electric apparatus;
  - 1.1.2 Audio Audio/video, information and communication apparatus;
  - 1.1.3 Electrical apparatus for test and measurement, control and laboratory ;
  - 1.1.4 Power transformer, power supplies, reactors and similar products;
  - 1.1.5 Uninterruptable power systems (UPS);
  - 1.1.6 Power converters for use in photovoltaic power systems.

**2. DEFINITIONS**

- 2.1 For the purposes of this document, the definitions in the relevant parts of **SANS 60065**, *Audio, video and similar electronic apparatus - Safety requirements*; **SANS 60335-1**, *Household and similar electrical appliances- Safety Part 1: General requirements*; **SANS 60950-1**, *Information technology equipment - Safety Part 1: General requirements*; **SANS 61010**, *Safety requirements for electrical equipment for measurement, control, and laboratory use Part 1: General requirements*; **SANS 61558**, *Safety of power transformers, power supplies, reactors and similar products Part 1: General requirements and tests*; **SANS 62040**, *Uninterruptible power systems (UPS) Part 1: General and safety requirements for UPS*; **SANS 62109**, *Safety of power converters for use in photovoltaic power systems Part 1: General requirements*, and **IEC/SANS 62368**, *Audio/video, information and communication technology equipment - Part 1: Safety requirements* and the following shall apply:



- 2.1.1 **Applicant:** The manufacturer or importer seeking approval for an electric or electronic apparatus. The applicant shall be an existing legal entity within the Republic of South Africa.
- 2.1.2 **Proof of approval:** A letter of authority (LoA) issued by the NRCS, which confirms that a particular electric or electronic apparatus type satisfies the requirements of this compulsory specification.
- 2.1.3 **Declaration report:** a report that is issued by an accredited conformity assessment body, indicating the equivalence of standards.
- 2.1.4 **NRCS:** The National Regulator for Compulsory Specifications as established by the National Regulator for Compulsory Specifications Act, 2008 (Act No. 5 of 2008).
- 2.1.5 **Valid test report:** a copy of a full test report issued less than 36 months before the date of submission to the NRCS.
- 2.1.6 **Apparatus:** device or assembly of devices which can be used as an independent unit for specific functions.

### 3. GENERAL REQUIREMENTS

- 3.1 The applicant shall ensure that each type of electric and electronic apparatus has been approved by the NRCS before offering it for sale or import or supply, 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 electric and electronic apparatus 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 Household and similar electric apparatus shall comply with the relevant requirements of **SANS 60335-1**, *Household and similar electrical appliances-Safety Part 1: General requirements*, together with the appropriate part(s) of the SANS 60335 series.
- 4.2 Audio and video apparatus, as well as information and communication technology equipment shall comply with the relevant requirements of **IEC/SANS 62368**, *Audio/video, information and communication technology equipment - Part 1: Safety requirements*, **SANS 60950-1**, *Information technology equipment - Safety Part 1: General requirements*, or **SANS 60065**, *Audio, video and similar electronic apparatus - Safety requirements*.
- 4.3 Electrical equipment for measurement, control, and laboratory use shall comply with relevant requirements of **SANS 61010**, *Safety requirements for electrical equipment for measurement, control, and laboratory use Part 1: General requirements*, together with appropriate part(s) of SANS 61010 series.
- 4.4 Power transformer, power supplies, reactors and similar products shall comply with relevant requirements of **SANS 61558**, *Safety of power transformers, power supplies, reactors and similar products Part 1: General requirements and tests*, together with appropriate part(s) of the SANS 61558 series.
- 4.5 Uninterruptable power systems (UPS) shall comply with relevant requirements of **SANS 62040**, *Uninterruptible power systems (UPS) Part 1: General and safety requirements for UPS*.
- 4.6 Power converters for use in photovoltaic power systems shall comply with the requirements of **SANS 62109**, *Safety of power converters for use in photovoltaic power systems Part 1: General requirements*, together with the relevant part (s) of SANS 62109 series.



## **5. EQUIVALENCE OF STANDARDS**

Standard issued by different standardization bodies such as ISO and EN, will only be accepted if it is proven, in the form of a declaration report from an accredited test laboratory, 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 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, subject to the requirements of Annex A, unless declared otherwise by the Minister.

## **7. EVIDENCE OF CONFORMITY**

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

- 7.1 Valid 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 ILAC/IECEE mutual recognition scheme in accordance with the NRCS's conformity assessment policy.
- 7.2 The valid test report shall prove conformity with all the applicable mandatory requirements.
- 7.3 Evidence of conformity shall be traceable to the specific electric or electronic apparatus.

**ANNEX A****APPROVAL OF ELECTRIC OR ELECTRONIC APPARATUS****A.1 APPLICATION FOR APPROVAL**

An application for approval of each type of electric or electronic apparatus intended for sale shall include:

**A.1.1** Details of the type of electric or 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 electric or 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.

**A.2.4** The approval granted with respect to each type of electric or 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.