



# Government Gazette

**REPUBLIC OF SOUTH AFRICA**

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**AIDS HELPLINE: 0800-0123-22 Prevention is the cure**

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## GENERAL NOTICE

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### NOTICE 2206 OF 2004



NOTICE OF INTENTION TO REPEAL THE EXISTING ANNEXURE A CONTAINED IN CHAPTER 9 OF THE RADIO REGULATIONS, AMEND F1 AND F2 CONTAINED IN CHAPTER 7 OF THE RADIO REGULATIONS (REGULATION NO. 2862 PUBLISHED ON THE 28<sup>TH</sup> OF DECEMBER 1979) PUBLISHED IN TERMS OF SECTION 18 OF THE RADIO ACT NO. 3 OF 1952 AND TO MAKE REGULATIONS IN RESPECT OF TECHNICAL STANDARDS FOR COMMUNICATION FACILITIES AND EQUIPMENT.

The Independent Communications Authority of South Africa ("the Authority"), hereby gives notice that it intends making the following regulations in terms of section 96(1) read with section 55(1) of the Telecommunications Act, 1996 (Act No. 103 of 1996), as amended.

Interested persons are hereby invited to submit written comments or written representations with regard to the proposed regulations, to be received **by no later than 16h00 on the 16<sup>th</sup> of November 2004** by post, hand delivery or facsimile transmission and by an electronic version in Microsoft Word for the attention of Mr Praneel Ruplal, Independent Communications Authority of South Africa, Private Bag X10002, Marlboro, 2063; Block A, Pin Mill Farm, 164 Katherine Street, Sandton; Facsimile (011) 321 8581, Telephone 011 321 8348 or 083 6800 039 or e-mail : [PRuplal@icasa.org.za](mailto:PRuplal@icasa.org.za)

**MANDLA LANGA**  
**CHAIRPERSON**  
**ICASA**

## **ANNEXURE A**

### **Electromagnetic Compatibility (EMC)**

ICASA hereby adopts EMC standards from the IEC, CISPR, CENELEC and ETSI and any other standards, which may be deemed to be necessary by ICASA from time to time, to regulate Electromagnetic Compatibility in South Africa.

## **SCHEDULE**

These regulations amend Chapter 7 of the radio regulations on interference of Regulation No. 2862 published on the 28<sup>th</sup> of December 1979.

### **1. Definitions**

In these regulations, a word or expression has the meaning assigned to it in the Telecommunications Act, 1996 (Act no. 103 of 1996) and/or assigned to it in the standards referred to in the Official List of Regulated Standards, as approved and published by ICASA, unless the context indicates otherwise:

**"Basic EMC Standard"** means a minimum standard, which defines and describe the EMC of an item or system of electronic equipment, the measurement thereof, and the appropriate test methods and limits. It may also describe basic measuring instruments and instrument test set-ups;

**"Disturbance"** means any electromagnetic phenomenon, which may degrade the performance of a device, equipment or system;

**"Electromagnetic Compatibility(EMC)"** means a measure of the performance of an item or system of electronic equipment, in respect of its ability to operate correctly in a given electromagnetic environment, without affecting, or being adversely affected by, that environment;

**“Emission”** means the outward flow of energy from any source in the form of electromagnetic waves propagated in space or conductors, with or without an artificial guide;

**“Equipment”** means any apparatus, device or system, which is powered by means of electrical AC and/or DC energy, the source being internal or external;

**“Generic EMC Standard”** means a standard, which relates to a particular electromagnetic environment, and specifies an appropriate series of requirements and tests, which are used for all products and systems, placed into that environment;

**“Immunity”** means the ability of a device, equipment or system to operate correctly, in the presence of an electromagnetic disturbance;

**“Information Technology Equipment (ITE)”** means any equipment, which has a primary function of any one, or more in combination, of the following: entry, storage, display, retrieval, transmission, receiving, processing, switching, and control of data and/or of telecommunication messages and/or signalling, digital and / or analogue. ITE equipment may be equipped with one or more terminal ports, typically operated for information transfer or processing. It excludes radio equipment (or any part of the ITE equipment which can be classified as radio equipment), unless it incorporates IT equipment for any part of its function;

**“Product-Family EMC Standard”** means a standard, which contains special limits for emission and immunity for a specific category of devices. It contains specific instructions on how the measurements shall be carried out, as well as how the device under test should perform and be operated;

**“Product-Specific EMC Standard”** means a standard, which contains special limits for emission and immunity for a specific product or product line of devices. It contains specific instructions on how the measurements shall be carried out, as well as how the device under test should perform and be operated;

**“Radio equipment”** means any equipment that is capable of receiving or transmitting radio waves, utilising the frequency spectrum allocated to celestial/terrestrial/space radio communications. This type of equipment may be used in a fixed, mobile or portable application.

**“Susceptibility”** means the likelihood of a device, equipment or system to be affected by the presence of electromagnetic disturbances;

**“Telecommunication equipment”** means equipment which is or may be used for or in connection with telecommunication..

**“Telecommunication Terminal Equipment (TTE)”** means equipment (or a significant part of equipment), which enables communication, and which is intended to be utilised as end-user or Service Provider equipment connected, directly or indirectly, by any means, to interfaces of telecommunication networks.

## **2. Abbreviations**

**CENELEC -**

**CISPR -** Comité International Spéciale des Perturbations  
Radioélectromagnétique (International Special Committee on Radio  
Interference), a subcommittee of the IEC.

**EMC -** Electromagnetic compatibility

**ETSI - European Telecommunications Standards Institute**

**IEC - International Electrotechnical Commission**

**ITU – International Telecommunications Union**

### **3. The Official List of Regulated Standards**

This is a list of electrical and/or electronic equipment, and the relevant standards, to be applied to each equipment category. The list is maintained by the ICASA/SABS Standards Liaison Committee (SLC), under the identification name "Official List of ICASA Regulated Standards", and published by ICASA as a regulation.

### **4. Implementation timetable**

The implementation of compliance shall be as prescribed in the official list.

### **5. Repeal of Annexure A of Regulation 2862 published on 28 December 1979**

Annexure A of the Radio Regulation no. 2862 published on 28 December 1979 published in terms of section 18 of the Radio Act No. 3 of 1952 is hereby repealed.

### **6. Amendment of F1 and F2 of the Radio Regulation No.2862 published on 28 December 1979**

(i) Amends F1 of the Radio Regulation No. 2862 published on 28 December 1979, as follows : No person shall manufacture,import,sell,hire out,install or use an apparatus that generates and radiates electromagnetic energy which does not comply with the Electromagnetic Compatibility performance criteria defined in Annexure A of these regulations.

(ii) Amends F2 of the Radio Regulation No.2862 published on 28 December 1979,as follows : No person shall import for sale or manufacture for sale apparatus other than the apparatus described in Annexure A to these regulations unless such apparatus corresponds,with regard to electromagnetic compatibility properties,with a model of such apparatus in respect of which a certificate was issued by the Authority in the form set out in Annexure B to these regulations.

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