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# GENERAL NOTICE

## NOTICE 1488 OF 2002

### DEPARTMENT OF COMMUNICATIONS

TELECOMMUNICATIONS ACT, 1996 (ACT 103 OF 1996 AS AMENDED)

#### REGULATIONS IN RESPECT OF THE STANDARDS APPLICABLE TO ASYMMETRICAL DIGITAL SUBSCRIBER LINE (ADSL) CUSTOMER PREMISES EQUIPMENT

In terms of section 96 (6) of the Telecommunications Act, 1996 (Act 103 of 1996, as amended), I, Dr. Ivy Matsepe-Casaburri, Minister of Communications, hereby approve and publish the regulations in the schedule made by the Independent Communications Authority of South Africa in terms of section 96 read with section 55 of the said Act.

**DR. IVY MATSEPE-CASABURRI**

Minister of Communications

### SCHEDULE

#### 1. Definitions

In these regulations, words shall have the same meaning assigned to them in the Telecommunications Act, No. 103 of 1996, as amended, unless the context indicates otherwise.

**ADSL** Asymmetrical Digital Subscriber Line

ADSL is a technology for transmitting digital information at a high bandwidth on existing phone lines to homes and businesses. ADSL provides continuously-available, "always on" connection. ADSL is asymmetric in that it uses most of the channel to transmit downstream to the user and only a small part to receive information from the user. ADSL simultaneously accommodates analogue (voice) information on the same line.

**DSLAM** Digital Subscriber Loop Access Multiplexer is a network device, usually at a telephone company local exchange, that receives signals from multiple customer Digital Subscriber Line (DSL) connections and puts the signals on a high-speed backbone line using multiplexing techniques.

**ITU** International Telecommunication Union.

#### 2. Applicable standards

Asymmetric Digital Subscriber Line (ADSL) Customer Premises Equipment (CPE) shall comply with the following standards in order to be type approved by the Authority:

- a. International Telecommunication Union recommendation ITU-T G.992.1 (06/99): SERIES G: TRANSMISSION SYSTEMS AND MEDIA, DIGITAL SYSTEMS AND NETWORKS.  
Digital transmission systems—Access networks: Asymmetrical Digital Subscriber Line (ADSL) transceivers and/or  
International Telecommunication Union recommendation ITU-T G.992.2: SERIES G: TRANSMISSION SYSTEMS AND MEDIA, DIGITAL SYSTEMS AND NETWORKS.  
Digital transmission systems—Access networks: G.Lite transceivers
- b. International Telecommunication Union recommendation ITU-T G.996.1: SERIES G: TRANSMISSION SYSTEMS AND MEDIA, DIGITAL SYSTEMS AND NETWORKS.  
Digital transmission systems—Digital sections and digital line system—Access networks: Test procedures for digital subscriber line (DSL) transceivers
- c. SABS IEC 60950: Safety of Information Technology equipment
- d. CISPR22 class B: Information Technology equipment—Radio disturbance characteristics—Limits and methods of measurement.
- e. ICASA specification TE-001 for surge protection requirements.

#### 3. Informative reference

ADSL network interface connection and higher layer requirements will be documented by the different South African public switched telecommunication service licensees and made publicly available separate from this regulation.

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