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GENERAL NOTICE

NOTICE 1285 OF 2003

DEPARTMENT OF COMMUNICATIONS

TELECOMMUNICATIONS ACT, 1996 (ACT No. 103 OF 1996)

**REGULATIONS IN RESPECT OF THE STANDARDS APPLICABLE TO
INTEGRATED SERVICES DIGITAL NETWORK CUSTOMER PREMISES
EQUIPMENT**

Under section 96(6) of the Telecommunications Act, (Act No. 103 of 1996), I, Ivy Matsepe-Casaburri, Minister of Communications, hereby approve and publish the regulations in the Schedule made by the Independent Communications Authority of South Africa under section 96 of the said Act.

**Dr. Ivy Matsepe-Casaburri
MINISTER OF COMMUNICATIONS**

SCHEDULE

Definitions

1. In these regulations any word or expression to which a meaning has been assigned in the Act, shall have the meaning so assigned, and unless the context indicates otherwise -

"B-Channel" means Bearer Channel which is a function that provides for the bidirectional transmission of independent Bearer channel signals each having a bit rate of 64 Kbps;

"BRA" means Basic Rate Access which is a user-network access arrangement that corresponds to the interface structure composed of two B-channels and one D-channel. The bit rate of the D-channel for this type of access is 16 Kbps;

"D-Channel" means Data Channel which is a function that provides for bidirectional transmission of one Data channel signal at a bit rate of 16/64 Kbps;

"EMC" means Electromagnetic Compatibility which is immunity to conducted disturbances induced by radio-frequency fields;

"ISDN" means an Integrated Services Digital Network which is a network that provides or supports a range of different telecommunications services and provides digital connections between user-network interfaces;

"PRA" means Primary Rate Access which is a user-network access arrangement that corresponds to the primary rate of 2048 Kbps. The bit rate of the D-channel for this type of access is 64 Kbps;

"TE" means Terminal Equipment which is equipment intended to be connected to the public telecommunications network;

"The Act" means the Telecommunications Act, 1996 (Act No. 103 of 1996).

Applicable standards

2. Integrated Services Digital Network (ISDN) Customer Premises Equipment (CPE) shall comply with the following standards in order to be type approved by the Authority:

ISDN Basic Rate Access

- (1) Terminal equipment (TE) shall comply with layer 1, 2 and 3 requirements of ETSI TBR 003 edition 1 (November 1995) as amended in TBR 003/A1 (December 1997), *Integrated Services Digital Network (ISDN); Attachment requirements for terminal equipment to connect to an ISDN using ISDN basic rate access.*

Terminal equipment providing a telephony function shall comply to the above requirements as well as to ETSI TBR 008 edition 2 (October 1998) as amended in TBR 008/C1 ed.1 (2000-07) and TBR 008/C2 ed.1 (2001-07); *Integrated Services Digital Network (ISDN); Telephony 3.1 kHz teleservice Attachment requirements for handset terminals.*

ISDN Primary Rate Access

- (2) Terminal equipment shall comply with layer 1, 2 and 3 requirements of ETSI TBR 004 edition 1 (November 1995) as amended in TBR 004/A1 (December 1997), *Integrated Services Digital Network (ISDN); Attachment requirements for terminal equipment to connect to an ISDN using ISDN primary rate access.*

Terminal equipment providing a telephony function shall comply to the above requirements as well as to ETSI TBR 008 edition 2 (October 1998) as amended in TBR 008/C1 ed.1 (2000-07) and TBR 008/C2 ed.1 (2001-07); *Integrated Services Digital Network (ISDN); Telephony 3.1 kHz teleservice Attachment requirements for handset terminals .*

EMC for BRA and PRA

- (3) Terminal equipment shall comply with the requirements of the electromagnetic compatibility standard IEC CISPR 22 Class B: *Information technology equipment – Radio disturbance characteristics –Limits and methods of measurement*

Safety for BRA and PRA

- (4) TE shall comply with the requirements of IEC 60950 *Safety of Information Technology Equipment*.

Further Requirements

- 3 (1) Unless supplied with a proprietary analogue terminal, the analogue subscriber port of BRA or PRA terminal equipment (including Terminal Adapters & PABX's) shall comply with the appropriate POTS interface standards.
- (2) The speech quality of headset and loud speaking facilities provided by Basic Rate Access and Primary Rate Access telephones will not be regulated.
- (3) Approved TE are required to be labelled in terms of the applicable labelling regulation.
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