

**TABLE OF CONTENTS**

**FOREWORD ..... 3**  
**LIST OF AMENDMENTS ..... 4**

**SPECIFICATION TE-015**

**FUNCTIONAL SPECIFICATION FOR  
 CALL RESTRICTION DEVICES (CRD)**

**1. OPERATING REQUIREMENTS ..... 5**

- 1.1 Dial-tone detection ..... 5
- 1.2 Fixed delay ..... 5
- 1.3 Restriction of digit(s) ..... 5
- 1.4 Loop disconnect or DTMF signaling ..... 5
- 1.5 Transmission of digits ..... 5
- 1.6 Restore of line conditions ..... 5
- 1.7 Transparency ..... 5
- 1.8 Permitted settings ..... 5
- 1.9 Connection to line ..... 5
- 1.10 Mains power ..... 6

**2. INDEMNITY ..... 6**

**BLANK PAGE**

## FOREWORD

The South African **Telecommunications Regulatory Authority** issue the technical and functional specifications for **Telecommunication-Line Terminal Equipment** (TLTE).

The following specifications are available for TLTE:

Specification	Description
TE-001	Standard Specification for Telephone Attachments for Connection to the Public Switched Telephone Network
TE-002	Functional Requirements for Telephone Answering Machines and Recording Equipment
TE-003	Functional Requirements for Repertory Dialling Equipment
TE-004	Functional Requirements for Remote Supervisory Equipment
TE-005	Functional Requirements for Loudspeaking Equipment
TE-006	Functional Requirements for Facsimile Transceivers
TE-007	Functional Requirements for Automatic Call Diverting Equipment
TE-008	Functional Requirements for Equipment for use in Industrial Environments
TE-009	Functional Requirements for Attachments connected to Leased-Line Circuits
TE-010	Functional Requirements for Calling Line Identification (CLI) Customer Premises Equipment (CPE)
TE-011	Reserved
TE-012	Functional Requirements for Second Generation Low-Power Digital Cordless Telephones (CT2); 864,100-868,100 MHz
TE-013	Functional Requirements for Low-Power Cordless Telephones; 46-49 MHz
TE-014	Functional Requirements for Automatic Fee Recording Equipment
<b>TE-015</b>	<b>Functional Requirements for Call Restriction Devices</b>
TE-016	Reserved
TE-017	Reserved
TE-018	Functional Requirements for Data Modems
TE-019	Reserved

Specification TE-015: Functional Requirements For Call Restriction Devices defines the technical and operating requirements for call restriction devices (CRDs) intended for connection to a single telephone line at a client's premises. The device has the purpose of restricting access to certain selected routes and numbers.

In addition to this specification the equipment shall meet all relevant aspects of specification TE-001.

LIST OF AMENDMENTS

No.	Date	Paragraph
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

**SPECIFICATION TE-015****FUNCTIONAL SPECIFICATION FOR  
CALL RESTRICTION DEVICES (CRD)****1. OPERATING REQUIREMENTS****1.1 Dial-tone detection**

When the line is looped to initiate a call, the CRD shall immediately detect the off-hook condition and prepare itself to recognize dial-tone from the exchange.

**1.2 Fixed delay**

If dial-tone detection is not employed, a fixed delay of 3 s between line seizure and dialling will also be acceptable.

**1.3 Restriction of digit(s)**

Any digit(s) dialled prior to dial tone being detected, or during the 3 s delay after line seizure, shall be restricted and not passed on to the exchange.

**1.4 Loop disconnect or DTMF signaling**

The device shall be responsive to either loop disconnect or DTMF address signals or both, in accordance with **Chapter 1 of Specification TE-001**. A device designed to react only to one type of dialling information, shall be clearly marked on its packaging as well as on the instrument itself, to the effect that it will not restrict the other type of dial signals.

**1.5 Transmission of digits**

Any digit or combination of digits, detected by the device as restricted, shall cause further transmission of digits to the exchange to be inhibited.

**1.6 Restore of line conditions**

When the telephone handset is replaced, the device shall immediately detect the on-hook condition and restore normal line conditions.

**1.7 Transparency**

The CRD shall appear transparent to any address information not restricted and as such shall not convert loop disconnect dialling information to DTMF or vice versa.

**1.8 Permitted settings**

The CRD shall be so designed and/or constructed that the barred and permitted settings can not be changed by an unauthorized person.

**1.9 Connection to line**

The CRD shall connect to the telephone line by means of standard male/female connectors as specified. It shall not be necessary to rearrange and/or break the existing wiring to facilitate the connection of the device to line.

**1.10 Mains power**

CRDs which are mains powered shall:

- 1.10.1 contain battery back-up for a period of at least 4 hours
- 1.10.2 give a visual battery-low warning indication

**2. INDEMNITY**

- 2.1 The CRD shall be clearly marked with a label stating that licensing of the unit does not imply any guarantee whatsoever by SATRA or Telkom SA Ltd with regard to the accuracy of the device and that the use of such a device will not be considered by Telkom in any disputes which may arise regarding the accuracy of any subscriber's telephone account.

-- ooOoo --