

TABLE OF CONTENTS

FOREWORD	3
LIST OF AMENDMENTS	4

SPECIFICATION TE-006**FUNCTIONAL REQUIREMENTS FOR FACSIMILE TRANSMITTERS AND RECEIVERS
INTENDED FOR CONNECTION TO THE TELEPHONE NETWORK**

1. CLASSES OF FACSIMILE MACHINES	5
1.1 Class 1.....	5
1.2 Class 2.....	5
2. TYPES OF FACSIMILE TRANSMISSION	5
2.1 Document facsimile.....	5
2.2 Photograph facsimile.....	5
3. CONNECTION TO MANUAL EXCHANGES	5
4. TRANSMITTER OUTPUT POWER	5
5. RECEIVER INPUT POWER.....	6
6. LINE RELEASE.....	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
TE-015	Functional Requirements for Call Restriction Devices
TE-016	Reserved
TE-017	Reserved
TE-018	Functional Requirements for Data Modems
TE-019	Reserved

Specification TE-006: Requirements For Facsimile Transceivers states the requirements and properties of facsimile machines intended for connection to the Public Switched Telephone Network. It must be noted that neither the DPT nor Telkom accepts any responsibility for unsatisfactory transmission conditions which may affect the quality of a facsimile message. Characteristics which are beyond the scope of this requirement are the picture size, index of co-operation, scanning rate, synchronizing and phasing. Similarly the method of recording, whether it be by means of electrosensitive paper, carbon paper, photographic film or other means, is beyond the scope of these requirements.

In addition to these requirements, 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-006**FUNCTIONAL REQUIREMENTS FOR FACSIMILE TRANSMITTERS AND RECEIVERS
INTENDED FOR CONNECTION TO THE TELEPHONE NETWORK****1. CLASSES OF FACSIMILE MACHINES****1.1 Class 1.**

Those intended for connection to the PSTN. The operating procedure is covered in CCITT Recommendation T30.

1.2 Class 2.

Those intended for use on lines especially leased for the purpose.

Note: Facsimile machines are intended both for exchange connections and for private wires, in which case the requirements for exchange connections must be met.

2. TYPES OF FACSIMILE TRANSMISSION**2.1 Document facsimile.**

This is used for the transmission of documents other than photographs. The full range of tones of the original document is not reproduced, although some machines are capable of reproducing a limited range of tones. The procedures for transmission etc., are stipulated in the following CCITT Recommendations:

- CCITT Recommendation T30.
- CCITT Recommendations T10 and T10 bis
- CCITT Recommendations T2, T3 and T4 bis

These machines must operate on a 2-wire basis when connected to the PSTN and 2-wire or 4-wire when connected to leased circuits.

2.2 Photograph facsimile.

This is used primarily for the transmission of photographs or documents containing continuous tonal densities. The full range of tones in the original document is reproduced. This type of transmission is covered by the following CCITT Recommendations:

- CCITT Recommendation T1
- CCITT Recommendations T11 and T12

These machines operate on a 4-wire basis, and are therefore suitable for leased circuits only.

3. CONNECTION TO MANUAL EXCHANGES

Facsimile machines may work in conjunction with public manual exchanges, but there is a risk of the operator interfering with transmission by entering the circuit during transmission.

4. TRANSMITTER OUTPUT POWER

The average power shall be adjustable from -15 dBm to 0 dBm but the equipment should be so designed that there is no possibility of this adjustment being tampered with by an operator or user other than a qualified service technician.

5. RECEIVER INPUT POWER

No possibility shall exist for an operator to alter the receive sensitivity.

6. LINE RELEASE

If line release is to be manual, a continuous alarm shall be given at the end of the transmission or reception. Automatic line release shall conform to **Chapter 2, paragraph 16 of Specification TE-001.**

-- ooOoo --