



**TECHNICAL SPECIFICATION**

**FOR**

**EQUIPMENT CONNECTING TO HDSL SERVICES**

**ISSUED BY**

**BOTSWANA COMMUNICATIONS REGULATORY  
AUTHORITY**

**Document Number: TS0034**  
**Revision: Original V1.1**  
**Date: 11 December 2015**

# Technical Specification for Equipment Connecting to HDSL Services

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## Scope

This specification applies to any equipment which offers an interface that may be connected to public HDSL services in Botswana.

Where terminal equipment supports more than one interface type, each interface must meet the requirements applicable to it. It may therefore be necessary to make reference to additional specifications.

## Entry into Force

This specification shall enter into force on 15/01/2016.

## Document History

<b>Description</b>	<b>Status</b>	<b>Date</b>
Equipment Connecting to HDSL Services	Original V1.1	11/12/2015

## Health, Safety, and Generic Emissions

The following universal specifications shall be applied.

**TS0001:** Health, Safety and Generic Emissions of Radio and Telecommunications Terminal Equipment.

## Technical, Spectrum and EMC Requirements

The following specifications shall be applied.

### **ETSI ETR 152 ed.3**

Transmission and Multiplexing (TM); High bit-rate Digital Subscriber Line (HDSL) transmission system on metallic local lines; HDSL core specification and applications for 2 048Kbit/s based access digital section

### **ETSI TS 101 135 V1.5.3**

Transmission and Multiplexing (TM); High bit-rate Digital Subscriber Line (HDSL) transmission systems on metallic local lines; HDSL core specification and applications for combined ISDN-BA and 2 048 kbit/s transmission

**Important Note:** The revision numbers of the documents given in the approval standard are the minimum standards that apply. Should updated versions of these documents be published, the latest version will always apply. This also applies to documents where no revision number is currently quoted.

## Additional Requirements

No additional requirements exist for equipment connecting to HDSL services.

## Obtaining Technical Standards

ETSI technical standards may be obtained free of charge for individual use from the ETSI web site. [www.etsi.org](http://www.etsi.org)

CENELEC, IEC and CISPR standards may be obtained at cost from, or through [www.cenelec.org](http://www.cenelec.org) and from [www.iec.ch](http://www.iec.ch) respectively.