TECHNICAL SPECIFICATION

FOR

EQUIPMENT CONNECTING TO BASIC RATE ISDN SERVICES AT THE U INTERFACE

ISSUED BY

BOTSWANA COMMUNICATIONS REGULATORY AUTHORITY

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Technical Specification for Equipment Connecting to Basic Rate ISDN Services at the U Interface

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Scope

This specification applies to any equipment which offers an interface that may be directly connected to public Basic Rate ISDN Services at the U Interface 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

Description	Status	Date
Equipment Connecting to Basic Rate ISDN Services at the U Interface	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.

ITU- T Recommendation G.961
Digital transmission system on metallic local lines for ISDN basic rate access.

or

ETSI ETR 080 ed.2
Transmission and Multiplexing (TM);Integrated Services Digital Network (ISDN) basic rate access; Digital transmission system on metallic local lines

It should be noted that ETSI ETR 80 does not include all clauses of ITU-T G.961. BTA reserves the right to request that testing against the additional clauses of ITU-T is carried out where it believes this to be appropriate.

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

At the terminal equipment side of the NT1, the interface at the S/T reference point shall conform to the network requirements of ITU-T Recommendation I.430.

ITU-T Recommendation I.430
Integrated Services Digital Network (ISDN) ISDN User-Network Interfaces : Basic User-Network Interface - Layer 1 Specification, International Telecommunication Union, 1993

Obtaining Technical Standards

ETSI technical standards may be obtained free of charge for individual use from the ETSI web site. www.etsi.org

CENELEC, IEC and CISPR standards may be obtained at cost from, or through www.cenelec.org and from www.iec.ch respectively.