



# **TECHNICAL SPECIFICATION**

**FOR**

**INDUCTIVE APPLICATIONS AND RELATED  
EQUIPMENT**

**ISSUED BY**

**BOTSWANA TELECOMMUNICATIONS AUTHORITY**

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# Technical Specification for Inductive Applications and related equipment

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## Scope

This specification applies to all inductive applications and related equipment to be used 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 01/12/12.

## Document History

Description	Status	Date
First issue of type approval guidelines	Draft	2005
Second issues of type approval guidelines	Current	2007
Third issue of type approval	Revision 1	2012

## Spectrum Allocation

The following frequency bands have been allocated for use by inductive applications and related equipment in Botswana: 6.765 – 6.795 MHz and 13.553 – 13.567 MHz

## Safety and EMC requirements

The following specifications shall be applied:

TS0001: Safety and EMC requirements of radio and telecommunications terminal equipment.

## Technical requirements

The following specifications shall be applied.

**EN 300 440-1 (2009-03) (may not be applicable depending on the operating frequency of the device or the nature)**

Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Part 1: Technical characteristics and test methods

**EN 300 330 (may not be applicable depending on the operating frequency of the device or the nature)**

Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz; Part 1: Technical characteristics and test methods

**EN 301 489-1**

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements

**EN 301 489-3**

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short Range Devices (SRD) operating on frequencies between 9 kHz and 40 GHz

Where no issue or revision number is quoted along with the title of a technical specification, the latest published version should be used.

## **Additional requirements**

No additional requirements exist for inductive applications and related equipment at this time.

Applications using Ultra Wide Band (UWB) technology are not covered by the present document

## **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)