



# **TECHNICAL SPECIFICATION**

**FOR**

**RADIO DETECTION OF MOVEMENT APPLICATIONS  
AND RELATED EQUIPMENT**

**ISSUED BY**

**BOTSWANA TELECOMMUNICATIONS AUTHORITY**

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# Technical Specification for Radio Detection of Movement Applications and related equipment

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## Scope

This specification applies to all radio detection of movement 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 detection of movement applications and related equipment in Botswana: 2400 – 2483.5 MHz and 24050 – 24250 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)**

Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Technical characteristics and test methods for radio equipment to be used in the 1 GHz to 40 GHz frequency range. 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 detection of movement applications and related equipment at this time.

## **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)