



# **TECHNICAL SPECIFICATION**

**FOR**

**AMATEUR RADIO AND ANCILLARY EQUIPMENT**

**ISSUED BY**

**BOTSWANA TELECOMMUNICATIONS AUTHORITY**

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# Technical Specification for Amateur Radio and ancillary equipment

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## Scope

This specification applies to all amateur radio and ancillary 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

Various frequency bands have been allocated for use by amateur radio and ancillary equipment in Botswana.

## 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.

**ETSI EN 301 783**

Electromagnetic compatibility and Radio spectrum Matters (ERM);  
Land Mobile Service; Commercially available amateur radio equipment  
Part 1: Technical characteristics and methods of measurement"

**ETSI 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

**ETSI EN 301 489-15**

Electromagnetic compatibility and Radio spectrum Matters (ERM);  
Electromagnetic Compatibility (EMC) standard for radio equipment and  
services; Part 15: Specific conditions for commercially available  
amateur radio equipment

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**

Additional requirements may exist for the use of amateur radio and  
ancillary equipment. A licence must be obtained before equipment of  
this type can be used in Botswana. This licence will detail conditions of  
use and any additional requirements which must be met.

**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)