



TECHNICAL SPECIFICATION

FOR

**GSM HANDSETS, TERMINALS AND ANCILLARY
EQUIPMENT**

ISSUED BY

BOTSWANA TELECOMMUNICATIONS AUTHORITY

Document Number: TS0002
Revision: Revision 1
Date: December 2012

Technical Specification for GSM Handsets, Terminals and Ancillary Equipment

Contents

.....	Scope
.....	3
Entry into force.....	3
Document History.....	3
Spectrum Allocation.....	3
Safety and EMC requirements.....	3
Technical requirements.....	3
Additional requirements.....	4
Obtaining Technical standards.....	4

Issued by:

Botswana Telecommunications Authority
Plot 206/207 Independence Avenue
Private Bag 00495
Gaborone
Botswana

Telephone: +267 395 7755
Fax: +267 395 7976
E-mail:
Website: www.bta.org.bw

Scope

This specification applies to any equipment which offers a GSM interface, including handsets, terminals and other related applications using the GSM air interface, for example WLL, 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 GSM handsets, terminals and ancillary equipment in Botswana: 890 – 959 MHz and 1710 – 1880 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.

ETSI EN 301 511

Global system for mobile communications (GSM); Harmonised standard for mobile stations in the GSM 900 and GSM 1800 bands covering essential requirements under Article 3(2) of the R&TTE directive

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 301 489-7

Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 7: Specific conditions for mobile and portable radio and ancillary equipment of digital cellular radio telecommunications systems

Additional requirements

After market (radio) equipment (and ancillary equipment) intended for installation in a motor vehicle, and which are related to immunity related functions of the motor vehicle, are subject to type approval requirements

Compliance of radio equipment to the requirements of the present document does not signify compliance to any requirements related to spectrum management or to the use of the equipment (licensing requirements).

.

Obtaining Technical standards

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