

TECHNICAL SPECIFICATION

FOR

ANALOGUE PMR HANDSETS AND ANCILLARY EQUIPMENT

ISSUED BY

BOTSWANA TELECOMMUNICATIONS AUTHORITY

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Technical Specification for Analogue PMR Handsets and ancillary equipment

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Scope

This specification applies to all Analogue PMR handsets and ancillary equipment to be used in Botswana.

Where terminal equipment supports more that 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 frequency bands 446-446.1 have been allocated for use by analogue PMR handsets 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 300 086-1 (2010-06)

Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment with an internal or external RF connector intended primarily for analogue speech; Part 1: Technical characteristics and methods of measurement

ETSI EN 300 113

Electromagnetic compatibility and Radio spectrum Matters (ERM); Land mobile Service; Radio equipment intended for transmission of data (and speech) and having an antenna connector; Part 1: Technical characteristics and methods of measurement

ETS 300 296-1 (2010-07)

Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment using integral antennas intended primarily for analogue speech; Part 1: Technica characteristics and methods of *measurement*

ETS 300 339

Electromagnetic compatibility and Radio spectrum Matters (ERM); General Electromagnetic Compatibility (EMC) for radio communications equipment

ETSI EN 300 390

Electromagnetic compatibility and Radio spectrum Matters (ERM); Land mobile service; technical characteristics and test conditions for radio equipment intended for the transmission of data (and speech) and using an integral antenna

ETSI EN 300 471

Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Rules for access and the sharing of common used channels by equipment complying with EN 300 113; 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 301 489-5

Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 5: Specific conditions for Private land Mobile Radio (PMR) and ancillary equipment (speech and non-speech)

ETSI EN 300 793

Electromagnetic compatibility and Radio spectrum Matters (ERM); Land mobile service; Presentation of equipment for type testing

ANSI/TIA/EIA 603 (specific to US originated equipment only) Land mobile FM or PM communication equipment, measurement and performance standard

MPT 1327

A signalling standard for Trunked Private Land Mobile Radio Systems

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

All necessary auxiliary test equipment, setting up instructions and other product information shall accompany the equipment to be type approved. The provisions of the present document apply to radio and associated ancillary equipment intended for use in the land mobile service that means to Private Mobile Radio (PMR) equipment.

Obtaining Technical standards

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