

Technical Specification for Analogue PMR Base Stations and Ancillary Equipment

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Scope

This specification applies to all analogue PMR base stations 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 15/01/2016.

Document History

Description	Status	Date
Analogue PMR Base Stations and Ancillary	Original V1.1	11/12/2015
Equipment		

Spectrum Allocation

Various, VHF and UHF frequency bands are allocated for use by analogue PMR base stations and ancillary equipment in Botswana.

Health, Safety, and Generic Emissions

The following universal specifications shall be applied.

TS0001: Health, Safety and Generic Emissions of Radio and Telecommunications Terminal Equipment.

Technical, Spectrum and EMC Requirements

The following specifications shall be applied.

ETSI EN 300 086-1 V1.4.1

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 300 086-2 V1.3.1

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 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

ETSI EN 300 113-1 V1.7.1

Electromagnetic compatibility and Radio spectrum Matters (ERM); Land mobile service; Radio equipment intended for the transmission of data (and/or speech) using constant or non-constant envelope modulation and having an antenna connector; Part 1: Technical characteristics and methods of measurement

ETSI EN 300 113-2 V1.5.1

Electromagnetic compatibility and Radio spectrum Matters (ERM); Land mobile service; Radio equipment intended for the transmission of data (and/or speech) using constant or non-constant envelope modulation and having an antenna connector; Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

ETSI EN 300 471-1 V1.2.1

Electromagnetic Compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Rules for Access and the Sharing of common used channels by equipment complying with 300 113; Part 1: Technical characteristics and methods of measurement

ETSI EN 300 471-2 V1.1.1

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 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive

ETSI EN 301 489-16 V1.2.1

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 16: Specific conditions for analogue cellular radio communications equipment, mobile and portable

ETSI ETSI EN 301 489-1 V1.9.2

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

ETSI ETSI EN 301 489-5 V1.3.1

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 V1.1.1

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

Important Note: The revision numbers of the documents given in the approval standard are the minimum standards that apply. Should updated versions of these documents be published, the latest version will always apply. This also applies to documents where no revision number is currently quoted.

Additional Requirements

Additional requirements may exist for the use of Analogue PMR base stations 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. <u>www.etsi.org</u>

CENELEC, IEC and CISPR standards may be obtained at cost from, or through <u>www.cenelec.org</u> and from <u>www.iec.ch</u> respectively.