



TECHNICAL SPECIFICATION

FOR

TETRA HANDSETS AND ANCILLARY EQUIPMENT

ISSUED BY

**BOTSWANA COMMUNICATIONS REGULATORY
AUTHORITY**

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Technical Specification for TETRA Handsets and Ancillary Equipment

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Scope

This specification applies to all TETRA handsets 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 15/01/2016.

Document History

Description	Status	Date
TETRA Handsets and Ancillary Equipment	Original V1.1	11/12/2015

Spectrum Allocation

The following frequency band has been allocated for use by TETRA handsets and ancillary equipment in Botswana: 390.000 – 399.900 MHz.

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 303 035-1 V1.2.1

Terrestrial Trunked Radio (TETRA); Harmonised EN for TETRA equipment covering essential requirements under article 3.2 of the R&TTE Directive; Part 1: Voice plus Data (V+D)

ETSI EN 303 035-2 V1.2.2

Terrestrial Trunked Radio (TETRA); Harmonised EN for TETRA equipment covering essential requirements under article 3.2 of the R&TTE Directive;
Part 2: Direct Mode Operation (DMO)

ETSI EN 300 394-1 V3.3.1

Terrestrial Trunked Radio (TETRA); Conformance testing specification:
Part 1: Radio

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 EN 301 489-18 V1.2.1

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compability (EMC) standard for radio equipment and services; Part 18: Specific conditions for Terrestrial Trunked Radio (TETRA) equipment

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

No additional requirements exist for TETRA handsets and ancillary 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

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