



LESOTHO COMMUNICATIONS AUTHORITY

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| <p>Application for a Radio Station Licence Rule 59 of the LCA Rules of Practice, Procedure and Service Provision</p> <p>Physical Address: 6th Floor, Moposo House, Kingsway Road, Maseru Tel.: + 266 22326784</p> <p>Postal Address: LCA, P.O. Box 15896, Maseru 100. Fax: + 26622310984 e-mail: lca@lca.org.ls</p> <p>a) In terms of rule 66(1), an application for the allocation of frequency, frequency bands and co-ordination of radio frequency spectrum may be made by submitting to the Authority a properly completed form.</p> <p>b) Any information requested in this form may be contained in an appendix.</p> <p>c) <i>You are advised to fill in all the information to avoid delays in the processing of your application.</i></p> |
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| 1. PARTICULARS OF AN APPLICANT | | |
| 1.1 | Full Name of applicant | |
| 1.2 | Physical Address | |
| 1.3 | Postal Address | |
| 1.4 | Telephone Number | |
| 1.5 | Telefax | |
| 1.6 | e-mail | |
| 1.7 | State legal form of applicant e.g. company, trust, other | |
| <i>(Please attach a copy of memorandum of articles of association, constitution or founding document certified by two office-bearers of the body, certified passport copy of the director/applicant)</i> | | |
| 1.8 | If registered, office of registration | |
| 1.9 | Registration Number | |
| 1.10 | Date of registration | |
| 1.11 | Purpose for which the proposed communication is required | |
| 1.12 | Do you hold any other licence issued by the Authority? | |
| 1.13 | If yes, what type of licence? | |
| 1.14 | Licence Number and Date of issue | |

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| 2. STATION INFORMATION | | |
| a. Type (tick) | | |
| <i>1.</i> Land Base/Coast <input type="checkbox"/> <i>2.</i> Mobile <input type="checkbox"/> <i>3.</i> Fixed including Terrestrial <input type="checkbox"/> <i>4.</i> Broadcast <input type="checkbox"/> <i>5.</i> Amateur <input type="checkbox"/> <i>6.</i> Aircraft <input type="checkbox"/> <i>7.</i> Land Aeronautical <input type="checkbox"/> <i>8.</i> Earth Station <input type="checkbox"/> <i>9.</i> Ship <input type="checkbox"/> <i>10.</i> Citizen Band <input type="checkbox"/> <i>11.</i> Subscriber <input type="checkbox"/> | | |
| b. Location of fixed station(s) | | |
| (1) | Name of Place | |
| (2) | Preferred Call Sign (<i>for amateur/aircraft</i>) | |
| c. Details of Mobile Stations | | |
| (1) | Operation Area | |
| (2) | Total Number Of Stations | |
| | (i) Base station | |
| | (ii) Fixed | |
| | (iii) Repeater | |
| | (iv) Mobile | |
| | (v) Hand-held | |

| 3. STATION DETAILS | | | | | | | |
|--------------------|--|---------------------------------------|--|--|-----------------|--|--|
| 3.1 | Station Name | | | | | | |
| 3.2 | Coordinates | Latitude, S | | | | Longitude, E | |
| 3.3 | Elevation AMSL (m) | | | | | | |
| 3.4 | Transportable <input type="checkbox"/> | Radius if transportable (km) | | | | | |
| 3.5 | Building height (m) | | | | Mast height (m) | | |
| 3.6 | Noise environment | 1. Low Noise <input type="checkbox"/> | | 2. Medium Noise <input type="checkbox"/> | | 3. High Degree of Noise <input type="checkbox"/> | |

| 4. EQUIPMENT INFORMATION | | | | | | | |
|--------------------------|---|---|--|--------------------------------------|--|----------------------------------|--|
| 4.1 | Manufacturer | | | | | | |
| 4.2 | Model | | | | | | |
| 4.3 | Equipment Type: 1. Crystal <input type="checkbox"/> 2. Solid state <input type="checkbox"/> 3. Unknown <input type="checkbox"/> 4. PLL Control <input type="checkbox"/> 5. Synthesised <input type="checkbox"/> | | | | | | |
| 4.4 | Frequency Range (MHz): | From | | to | | | |
| 4.5 | TX/RX | 1. Transmitter <input type="checkbox"/> | | 2. Receiver <input type="checkbox"/> | | 3. Both <input type="checkbox"/> | |
| 4.6 | Maximum Rated Power (W) | | | | | | |
| 4.7 | Transmit Power (W) | | | | | | |
| 4.8 | Serial Number | | | | | | |

| 5. ANTENNA INFORMATION | | | | | | | |
|------------------------|---|---|--|--|--|--|--|
| 5.1 | Manufacturer | | | | | | |
| 5.2 | Model | | | | | | |
| 5.3 | Frequency Range (MHz): | From | | To | | | |
| 5.4 | Polarisation | | | | | | |
| 5.5 | Gain (dB) | TX | | RX | | | |
| 5.6 | Antenna height above ground (m) | | | | | | |
| 5.7 | Directivity | 1. Directional <input type="checkbox"/> | | 2. Omni-directional <input type="checkbox"/> | | | |
| 5.8 | Azimuth (degrees) | | | | | | |
| 5.9 | Elevation (degrees) | | | | | | |
| 5.10 | 3dB Beam Width (degrees) | | | | | | |
| 5.11 | ITU-R antenna reference | | | | | | |
| 5.12 | Antenna Pattern; Please attach data page from manufacturer, or provide table of attenuation, in dB, against angle, or provide <u>calibrated</u> pattern diagram. | | | | | | |

6. COVERAGE\LINK (Please fill in one of 6.1, 6.2, and 6.3 below as appropriate)

| | | | | | | | | |
|------------|---|--|--|--|-----------------|--------------|--|--|
| 6.1 | Coverage Area (For Single Station System, e.g. Broadcast Station, GSM BTS) | | | | | | | |
| 6.1.1 | Location (e.g. village) | | | | | | | |
| 6.1.2 | Coverage Radius | | | | | | | |
| 6.1.3 | Please include a diagram to illustrate the area proposed for coverage | | | | | | | |
| 6.2 | Station to Station Link (e.g. microwave links) | | | | | | | |
| 6.2.1 | Linked to Station (name) | | | | | | | |
| 6.2.3 | Coordinates | Latitude, S | | | | Longitude, E | | |
| 6.2.4 | Elevation AMSL (m) | | | | | | | |
| 6.2.5 | Building Height (m) | | | | Mast Height (m) | | | |
| 6.2.6 | Equipment & Antenna Details | In case these are different from those in 4. & 5., please attach a sheet that describes each element as in 4.(4.1 to 4.8) & 5.(5.1 to 5.12) above. | | | | | | |
| 6.3 | Link to Geographic Point | | | | | | | |
| 6.3.1 | Location | | | | | | | |
| 6.3.2 | Coordinates | Latitude, S | | | | Longitude, E | | |

7. FREQUENCY ASSIGNMENT

| | | | | |
|-----|--|---|--------------------------------------|----------------------------------|
| 7.1 | Requested frequency Range (MHz) | | to | |
| 7.2 | Necessary Bandwidth (MHz) | | | |
| 7.3 | Emission Class (use the characters in Annex 1 to describe your signal) | | | |
| 7.4 | TX/RX | 1. Transmitter <input type="checkbox"/> | 2. Receiver <input type="checkbox"/> | 3. Both <input type="checkbox"/> |
| 7.5 | Preferred Frequency (MHz) | | | |
| 7.6 | Line Loss (dB) | | | |
| 7.7 | Minimum Receive Signal (dBW) (Protected Signal) | | | |

8. ACKNOWLEDGEMENT

8.1 The applicant acknowledges the statements in this form and accompanying documents will be relied upon by the Authority, and confirms that to the knowledge and belief of the applicant all such statements are true and correct.

8.2 The applicant undertakes to operate the equipment with a licence.

8.3 The applicant undertakes to adhere to the terms and conditions of the licence as the Authority may prescribe, the LTA Act 2000 and the applicable Radio Regulations.

Signature _____ Date _____

Full names of signatory _____

For Office Use Only

Technical Data validated: Name:.....Sign:.....Date:.....

Assigned Frequency (ies)/Amateur Call Sign

Total Committed Bandwidth:MHz, Power :.....Watts, Mast Height:m

Name:.....Signature:Date:.....

ANNEX 1

First Character (Mandatory)

| | |
|----------|--|
| A | Double sideband. |
| B | Independent sidebands. |
| C | Vestigial sideband. |
| D | Emission in which the main carrier is amplitude and angle modulated either simultaneously or in a pre-established sequence. |
| F | Frequency modulation. |
| G | Phase modulation. |
| H | Single sideband, full carrier. |
| J | Single sideband, suppressed carrier. |
| K | Modulated in amplitude. |
| L | Modulated in width/duration. |
| M | Modulated in position/phase. |
| N | Emission of unmodulated carrier. |
| P | Sequence of unmodulated pulses. |
| Q | In which the carrier is angle modulated during the period of the pulse. |
| R | Single sideband, reduced or variable level carrier. |
| V | Which is a combination of the foregoing or is produced by other means. |
| W | Cases not covered above, in which an emission consists of the main carrier modulated, either simultaneously or in a pre-established sequence, in a combination of two or more of the following modes: amplitude, angle, pulse. |
| X | Cases not otherwise covered. |

Second Character (Mandatory)

| | |
|----------|--|
| 0 | No modulating signal. |
| 1 | A single channel containing quantized or digital information without the use of a modulating sub-carrier. This excludes time-division multiplex. |
| 2 | A single channel containing quantized or digital information with the use of a modulating sub-carrier. This excludes time division multiplex. |
| 3 | A single channel containing analogue information. |
| 7 | Two or more channels containing quantized or digital information. |
| 8 | Two or more channels containing analogue information. |
| 9 | Composite system with one or more channels containing analogue quantized or digital information, together with one or more channels containing analogue information. |
| X | Cases not otherwise covered. |

Third Character (Mandatory)

| | |
|----------|--|
| A | Telegraphy for aural reception. |
| B | Telegraphy for automatic reception. |
| C | Facsimile. |
| D | Data transmission, telemetry, telecommand. |
| E | Telephony (including sound broadcasting). |
| F | Television (video). |
| N | No information transmitted. |
| W | Combination of the above. |
| X | Cases not otherwise covered. |

Fourth Character (Optional)

| | |
|----------|---|
| A | Two-condition code with elements of differing numbers and/or durations. |
| B | Two-condition code without elements of the same number and duration with error-correction. |
| C | Two-condition code with elements of the same number and duration with error-correction. |
| D | Four-condition code in which each condition represents a signal element (of one or more bits). |
| E | Multi-condition code in which each condition represents a signal element (of one or more bits). |
| F | Multi-condition code in which each condition or combination of conditions represents a character. |
| G | Sound of broadcasting quality (monophonic). |
| H | Sound of broadcasting quality (stereophonic or quadrophonic). |
| J | Sound of commercial quality (excluding categories given in K and L below). |
| K | Sound of commercial quality with the use of frequency inversion or band-splitting. |
| L | Sound of commercial quality with separate frequency-modulated signals to control the level of demodulated signal. |
| M | Monochrome television (video only). |
| N | Colour television (video only). |
| W | Combination of the above. |
| X | Cases not otherwise covered. |

Fifth Character (Optional)

| | |
|----------|--|
| N | No multiplexing employed. |
| C | Code division multiplex. (This includes bandwidth expansion techniques). |
| F | Frequency-division multiplex. |
| T | Time-division multiplex. |
| W | Combination of frequency-division multiplex and time-division multiplex. |
| X | Other types of multiplexing. |

Source: Ofcom, OfW84 - Guide to class of emissions