



**INFORMATION AND COMMUNICATION
TECHNOLOGIES AUTHORITY (ICTA)**

1st Floor Jade House Cnr Jummah Mosque & Remy Ollier Streets Port Louis Mauritius
Tel.: (230) 217 2222 Fax: (230) 217 7777 email: icta@intnet.mu

**LICENCE ISSUED UNDER SECTION 24 OF THE INFORMATION AND COMMUNICATION
TECHNOLOGIES ACT 2001 (AS AMENDED)**

Licence No. RA 23/2004/XXX

The Information and Communication Technologies Authority, in exercise of the powers conferred upon it under Section 24 of the Information and Communication Technologies Act 2001 (as amended) and of all other powers exercisable by this Authority for that purpose, hereby grants a

RADIO AMATEUR LICENCE (CLASS A) – RA 23 Licence [as per the Information and Communication Technologies (Amendment of Schedule) Regulations 2003]

to

**Mr XXXXXXXXXXXX
(CALL SIGN: 3B8.....)**

of XXXXXXXXXXXXXXXXXXXXXXXX, to operate a radio amateur sending and receiving apparatus (hereinafter referred to as “the Apparatus”) for Wireless telegraphy at (hereinafter called “the Principal Location”), subject to the terms and conditions set out in the Licence.

Effective Date:

Validity Period: *1 year*

Issued by the Information and Communication Technologies Authority on theth day of in the year **2004** in two originals.

.....

Executive Director

Information and Communication Technologies Authority

INFORMATION AND COMMUNICATION TECHNOLOGIES AUTHORITY

RADIO AMATEUR (CLASS A) LICENCE – RA 23

Terms and Conditions

1. Definitions; Interpretation

1.1 The following terms shall have the meanings set forth below:

- (a) “Act” means the Information and Communication Technologies Act 2001 as amended;
- (b) “Amateur Fixed Radio Apparatus” means a radio apparatus in the amateur service installed at specified fixed location and operated to communicate with an amateur mobile apparatus, amateur portable apparatus or another amateur fixed radio apparatus;
- (c) “Amateur Mobile Apparatus” means an apparatus in the amateur service installed on board a vehicle or vessel and intended to be used while in motion or during halts at unspecified points;
- (d) “Amateur Portable Apparatus” means an amateur apparatus so designed that it may conveniently be moved about from one place to another or personally carried and be operated while in motion or during temporary halts;
- (e) “Amateur Service” means a radiocommunication service for the purpose of self-training, intercommunication and technical investigations carried out by radio amateurs;
- (f) “Authority” means the Information and Communication Technologies Authority established under section 4 of the Act;
- (g) “Bandwidth” means the width of the frequency band in the electromagnetic spectrum which is just sufficient to ensure the transmission of information at the rate, and the quality, required under specified conditions set out in the Licence;
- (h) “Call Sign” means an identification signal, represented by a combination of characters, assigned to an apparatus transmitting in the amateur radio service;

- (i) “Certificate of Competency” means a certificate issued to persons wishing to operate an Apparatus used for purposes of information and communication services including telecommunication services;
- (j) “Coordinated Universal Time (UTC)” means a Time scale, based on the second (SI), as defined in ITU-R Recommendation ITU-R TF.460-5;
- (k) “Effective Date” means -
- (l) “Equivalent Isotropically Radiated Power” (EIRP) means the product of the power supplied to the antenna and the antenna gain in a given direction relative to an isotropic antenna (absolute or isotropic gain);
- (m) “Information” means data, text, images, sounds, codes, computer programmes, software, databases or the like;
- (n) “ITU” means the International Telecommunication Union;
- (o) “Licence” means this Licence and includes the terms and conditions and any Annex thereto;
- (p) “Licensee” means the person/body/company described in the Licence as the person/body/company to whom the Licence is granted;
- (q) “Morse Code” means a telegraph coding system for use in sending character data over extremely low-quality pathways, such as telegraphs and low-quality radio, in which letters and numbers are represented as pulses of different durations (by strings of dots, dashes and spaces);
- (r) “Messages” means communication in the form of speech, or other sound, signal or code, or a combination of same but does not include visual images sent by television, facsimile transmission, or other means;
- (s) “Network” means a communication transmission system that provides interconnection among a number of local or remote devices;
- (t) “Primary Location” means -
- (u) “PSTN” (Public Switched [fixed] Telephone Network) means a Telecommunication Network which is used, in whole or in part, to provide Telecommunication Services, to the public, between stationary network

connecting points, including the switching and transmission equipment and other infrastructure intended for interconnection to Telecommunication Networks inside the boundaries of the Republic of Mauritius;

- (v) “Radio Amateur” means a person interested in radio technique solely with a personal aim and without pecuniary interest, duly authorised to operate an Apparatus;
- (w) “Radio Amateur Apparatus” (“the Apparatus”) means a sending and/or receiving unit, including the accessory equipment, necessary for carrying on a radio amateur operation at authorised locations;
- (x) “Radio Amateur Operator Certificate” means a Certificate of Competency issued to a qualified person who has passed an appropriate amateur radio examination;
- (y) “Radiocommunication service” means a service involving the transmission, emission and/or reception of radio waves for specific telecommunication purposes;
- (z) “Regulation” means any regulation made under the Act;
- (aa) “Session” means the duration of a connection, from its establishment till its end, between Radio Amateurs, for the exchange of information;
- (ab) “Signal” means a physical phenomenon one or more of whose characteristics may vary to represent information and does not include visual images sent by television, facsimile transmission, or other means;
- (ac) “Secondary location” means
- (ad) “Telecommunication” means a transmission, emission or reception of signs, signals, writing, images, sounds or intelligence of any nature by wire, radio, optical or other electromagnetic systems whether or not such signs, signals, writing, images, sounds or intelligence have been subjected to rearrangement, computation or other processes by any means in the course of their transmission, emission or reception;
- (ae) “Telecommunication network” means a system, or a series of systems, operating within such boundaries as may be prescribed for the transmission or

reception of messages by means of guided or unguided electromagnetic energy or both;

(af) “Telegraphy” means an apparatus, or a process, for communicating intelligence rapidly between distant points, especially by means of pre-concerted visible or audible signals representing words or ideas, or by means of words and signs, transmitted by electrical action.

1.2 For the purpose of interpreting this Licence, the Interpretation and General Clauses Act shall apply as if this Licence were an Act of Parliament. Headings and titles shall be disregarded.

Any term(s) defined or contained in this Licence shall be interpreted in a manner not inconsistent with the Act.

1.3 Where this Licence provides for any power of the Authority to give any direction or make any decision, it implies, unless the contrary intention appears below and except for the power to revoke set forth in clause 14 below, a power, exercisable in the same manner and subject to the same conditions or limitations, to revoke, amend or give or make again any such direction or decision.

2. Scope and Term

2.1 This licence authorises the Licensee to operate an Apparatus for Wireless telegraphy at (the primary location) and from time to time, at (the secondary location), subject to the following:

(a) The Apparatus shall only be used for the purpose of sending to, and receiving from, other Apparatus as part of the self-training of the Licensee in communication by wireless telegraphy:

(i) Messages in plain language, which are remarks about matters of a personal nature in which the Licensee or the person with whom he is in communication, has been directly concerned.

(ii) Signals (not being in secret code or cipher) which form part of, or relate to, the transmission or messages.

- (b) The Apparatus shall not be established or used on the sea or within any estuary, dock or harbour or in any moving vehicle, vessel or aircraft.
 - (c) The Apparatus shall be used only in accordance to the provisions of Annex I. Such use, shall be effected with regard to -
 - (i) the designation of emission(s),
 - (ii) operation within authorised frequency bands; and
 - (iii) operation within authorised EIRP.
 - (d) The Apparatus shall be operated only by the Licensee personally.
 - (e) Messages shall not be broadcast to any Apparatus in general but shall be sent only to such Apparatus with which communication is established separately and singly, or to groups of particular Apparatus with which communication is established collectively.
- 2.2 The Licensee shall under no circumstances, establish any interconnection to any network.
- 2.3 This Licence shall come into force on the Effective Date (.....) and, unless earlier revoked or terminated pursuant to clause 14 below, shall remain in effect for a period of **one** year.
- 2.4 The Licensee shall not cause any alteration, addition or modification to be made to its Apparatus, without the prior express authorisation of the Authority.
- 2.5 The Licensee shall not use the Apparatus for any purpose not authorised under this Licence.
- 3. Fees**
- 3.1 Subject to clauses 3.2, the Licensee shall pay such Licence fees to the Authority as may be prescribed from time to time. Such Licence fees include an annual fee of Rs 500/- (five hundred rupees).
- 3.2 The annual Licence fee may be modified by the Authority in accordance with the Act and shall be payable on the date of issue of the Licence, and thereafter not later than 15 days before the anniversary date of the Licence. In default, the Licensee shall in

addition to the amount due, pay a surcharge of 10% or such other percentage as may be prescribed from time to time, under the Act or any regulation made thereunder.

4. International Requirement

The Licensee shall observe and comply with the relevant provisions of the ITU Convention and any regulations made thereunder.

5. Frequency Control and Measurement

5.1 A satisfactory method of frequency stabilisation shall be employed in the sending Apparatus in order to ensure a reasonably safe and interference free use of the Apparatus.

5.2 The Licensee shall have such equipment as may be necessary for the measurement of frequency and output power, so as to verify that the Apparatus is transmitting within the authorised frequency bands.

6. Non-Interference

6.1 The Apparatus shall be designed, constructed, maintained, in such a manner so that the use of the Apparatus does not cause any harmful interference with other Apparatus with any other wireless telegraphy.

6.2 Where telegraphy is used, reasonable arrangements shall be made by the Licensee to ensure that the risk of harmful interference, arising from clicks, to other wireless telegraphy networks is eliminated.

6.3 Every precaution shall be taken at all times, to avoid over-modulation and to keep the maximum radiated energy within the necessary bandwidth as specified in the designation of emission.

6.4 Spurious emissions shall be suppressed to such acceptable level as not to cause any harmful interference with any radiocommunication service.

6.5 The Licensee shall carry out appropriate tests from time to time to ensure that the requirements of this Licence are met.

6.6 No “spark” sending Apparatus shall be allowed.

7. Operators and access to the Apparatus

7.1 The Licensee shall not permit or offer any unauthorised person to operate the Apparatus or to have access to the Apparatus.

7.2 The Licensee shall ensure that persons who are duly authorised to operate the Apparatus, observe the terms, provisions and limitations of this Licence at all times.

8. User Log

The Licensee shall keep a record of transmissions made, in the form of a log book with contiguous record, or on a computer disc. The said record shall include the following details:-

- (a) Current date of transmissions;
- (b) Time of commencement of calls, recorded in UTC, made from the Apparatus;
- (c) The time when the band of type of transmission was changed;
- (d)
 - (i) The call signs of the Apparatus to which messages are sent and/or from which messages are received; and
 - (ii) the time of establishment and ending any communication with each such Apparatus; and
 - (iii) the frequency(ies), class(es) of emission and power level(s) in dBW, associated with each such communication;
- (e) Details of tests carried out;
- (f) Location of Apparatus if it was operated from a temporary location;
- (g) Time of closing down the Apparatus.

9. Retransmission of Recorded Messages

Messages addressed to the Apparatus from any other radio amateur apparatus with which the Licensee is in communication may be recorded and retransmitted in accordance with this Licence, provided that the retransmission is intended for reception

by the originating Apparatus only, and that the call sign of that Apparatus is not included in the retransmission.

10. Call Sign and Notification of Location

10.1 The Call Sign assigned to the Licensee should be used at all times at the location where the Apparatus is authorised to operate, i.e. either at the primary or secondary location.

10.2 The Call sign, which may be transmitted either by Morse telegraphy at a speed not greater than 5 (five) words per minute or by telephony if the Apparatus is authorised to use telephony, shall be sent for identification purposes at the beginning and at the end of each session of sending, and whenever the sending frequency is changed.

10.3 When the telephony is used, the letters of the call signs may be confirmed by the pronouncement of well-known words of which the initial letters are the same as those in the call signs.

10.4 No words used under clause 10.3, shall be of a facetious or objectionable character.

11. Inspection

The Apparatus and Log shall be available for inspection at all reasonable times by Authorised Officers of the Authority.

12. Apparatus to Close Down

The Apparatus shall be closed down at any time upon the Directive of an Authorised Officer of the Authority.

13. Interpretation

Nothing in this Licence shall be deemed to authorise the use of the Apparatus for business, advertisement, or propaganda purposes or for the sending of news or messages of or on behalf of, or for the benefit or information of, any social, political,

religious or commercial organisation, or anyone other than the Licensee or the person with whom he is in communication.

14. Revocation; Termination

14.1 The Authority may, in accordance with the Act and any governing Regulation revoke this Licence if the Licensee has failed to comply with any provision of the Act or any regulation under the Act or any of the terms of this Licence.

14.2 Before revoking this Licence pursuant to clause 14.1 above, the Authority shall provide the Licensee with sixty (60) days' written notice of its intention to do so, specifying the grounds for the proposed revocation. The Licensee shall be given the opportunity to show cause why the Licence should not be revoked and shall have the right of representation and be afforded the right to adduce evidence.

14.3 This Licence shall terminate:

- (a) upon expiry of the term set out in clause 2.3 above; or
- (b) on the effective date of a new Licence or on the effective date of issue of an authorisation replacing this Licence; or
- (c) on the revocation of this Licence pursuant to clause 14.1 above.

14.4 The expiry or termination of this Licence for any of the reasons set out at clause 14.2 shall not preclude the Authority from recovering any fees, charges, penalties, or other dues, arising under this Licence, prior to such termination or revocation.

15. Assignment; Transfer; Other Changes

15.1 This Licence shall not be assigned, transferred, mortgaged, encumbered or sold without the express approval of the Authority.

15.2 The Licensee shall notify the Authority of any change in its registered address or address for correspondence within seven (7) days of the date of such change. In default, correspondence addressed at the last known address shall be deemed to have been properly and validly addressed.

16. Surrender of Licence

- 16.1 The Licensee shall surrender this Licence to the Authority within two (2) weeks of its termination or any extension thereof or its revocation pursuant to clause 14 above or as may be provided by law.
- 16.2 The Licensee may surrender this Licence at any time with the express approval of the Authority and subject to the settlement of any outstanding dues.

17. Compliance with other Legal Provisions

The Licensee shall, at all times, during the term of this Licence, including any renewals thereof, comply with all applicable law and regulations.

SPECIMEN

ANNEX I

SCHEDULE OF FREQUENCY BANDS FOR RADIO AMATEUR (CLASS A)

FREQUENCY BANDS	CLASS OF EMISSION	AUTHORISED TRANSMISSION POWER
<p style="text-align: center;">MF kHz 1810 - 1850</p> <p style="text-align: center;">HF kHz 3,500 - 3,800 7,000 - 7,100 10,100 - 10,150* 14,000 - 14,350 18,068 - 18,168 21,000 - 21,450 24,890 - 24,990 28,000 - 29,700</p>	<p>A1A, A3E, R3E, B8E, H3E,</p> <p>J3E, A3C (\pm 3 kHz), F1B (up to 850 Hz frequency shift), F3E (\pm 3 kHz), F1C (\pm 3 kHz)</p> <p>automatic telegraphic systems: F1B (up to 850 Hz frequency shift), A2A, F2B (\pm 3 kHz)</p> <p>slow scan television A3F, F3F (+ 3 kHz)</p>	<p>for R3E and J3E type of emissions, 400 watts peak envelope output power</p> <p>for pulse type emissions 150 watts (peak envelope input power to the final stage x duty cycle)</p> <p>other emissions, 150 watts (input power to final stage)</p>
<p style="text-align: center;">VHF MHz 144 -146</p>	<p>N0N, A2A, A3C (\pm 3 kHz), F2B, F1C, F3E (+ 3 kHz), P0N</p>	
<p style="text-align: center;">UHF MHz 430 - 438 1240 - 1300* 2300 - 2450*</p>		
<p style="text-align: center;">SHF GHz 5.6500 - 5.7250* 5.7250 - 5.8500* 10.0000 - 10.4500* 10.4500 - 10.5000* 24.0000 - 24.0500 24.0500 - 24.2500*</p>	<p>A3F, K1B, K2B, L2B, M2B, M3E, K3E, L2A, L3E, K2A, M2A</p>	
<p style="text-align: center;">EHF GHz 47.0 - 47.2 75.5 - 76.0 76.0 - 77.5* 77.5 - 78.0 78.0 - 79.0* 79.0 - 81.0* 134.0 - 141.0 241.0 - 248.0* 248.0 - 250.0</p>		

note: * The amateur service is the secondary service in this band