

Telecommunications Act

Cap. 282B.

**TELECOMMUNICATIONS (AMATEUR RADIO)
REGULATIONS, 2004**

2004/6.

Authority: These Regulations were made on 16th January, 2004 by the Minister under section 110(1) of the *Telecommunications Act*.

Commencement: 5th February, 2004.

1. These Regulations may be cited as the *Telecommunications (Amateur Radio) Regulations, 2004*.

2. In these Regulations,

"call-sign" means a signal sent by licensed amateur radio stations for identification purposes at the beginning and at the end of each transmission;

"inspector" means a person appointed as such by the Minister under section 75;

"station" means a licensed amateur radio station.

3. A person who is desirous of operating a station may,

(a) on application to the Minister in the form set out in Part I of the *Schedule*; and

Schedule.

(b) on payment of the relevant fee specified in the *Telecommunications (Licence Fees) Regulations, 2003*,

2003/78.

obtain a licence for the purpose.

4. A licence issued under regulation 3

- Schedule.
- (a) shall be in the form set out in Part II of the *Schedule*;
 - (b) shall be subject to such conditions as are specified in the licence; and
 - (c) is not transferable.

5. Where a licensee is a first-time recipient of a licence issued under regulation 3, the Minister may restrict that licensee to the use of continuous wave emissions for the first 12 months following the issue.

6. Where the Minister is satisfied that a licensee is in possession of a valid licence to operate a station outside of Barbados, the Minister may allow that licensee to operate in Barbados as if he held a licence issued under regulation 3 for 12 months.

2003/78. **7.** Subject to regulation 8, a licence issued under regulation 3 shall expire on the 31st December following the date of the issue, and is renewable during the month of January in each year on the payment of the relevant fee specified in the *Telecommunications (Licence Fees) Regulations, 2003*.

8. Where the licensee fails to comply with any provision of these Regulations or with any condition referred to in regulation 4, the Minister may cancel or refuse to renew the licence.

9. Every licensee shall exhibit his licence, in a prominent place, in proximity to the equipment of the station at his place of business.

10. In addition to the conditions specified in a licence, the licensee shall comply with the following:

- (a) the station shall be operated at a location approved by the Minister;
- (b) the station shall be operated by the licensee or his agents;

- (c) where the station serves as a training institution, the members of the institution operating the station must be supervised by the licensee;
- (d) the timing of the transmitter of a station shall be accomplished using methods that ensure a high degree of accuracy;
- (e) all emissions emanating from the amateur radio station shall be maintained within the frequency bands approved by the Minister;
- (f) a satisfactory method of frequency stabilization shall be employed in the sending of equipment to another such station;
- (g) the equipment in the station shall be capable of verifying any sending equipment referred to in paragraph (f) that is operating with emissions approved by the Minister;
- (h) the station shall be equipped with receiving and transmitting equipment;
- (i) all equipment used by the licensee shall be erected, fixed, placed and used in a way which does not interfere with the efficient and convenient working of other stations;
- (j) the licensee shall ensure that the Minister receives written notification of any change in the equipment or antennae used at the station or in the business address of the licensee;
- (k) the licensee shall ensure that the station can be identified by the transmission of a call-sign, assigned to him by the Minister, at the beginning and at the end of each period of transmission; and
- (l) where the licensee uses telephony in his transmissions, the internationally accepted Phonetic Alphabet and Figure shall be used to create the letters of the call-sign.

11. The transmitting frequency bands of a station shall be prescribed by the Minister, who shall be guided by the limits set out in the Radio Regulations of the International Telecommunications Union known as the *International Telecommunications Union Radio Regulations*.

12. No licensee shall call or transmit to any station other than a licensed amateur radio station unless the Minister so approves.

13. The Minister may, in exceptional circumstances,

- (a) require a licensee to transmit a message; and
- (b) prohibit the licensee from transmitting messages to other stations.

14. A licensee shall ensure that

- (a) an uninterrupted period of transmission from a station does not exceed 10 minutes;
- (b) all messages transmitted by a station are in plain language related solely to
 - (i) the experiments of the licensee; or
 - (ii) the personal affairs of the licensee or the person to whom the message is transmitted;
- (c) the station is not used to
 - (i) transmit news, advertisements, communications of a non-experimental character;
 - (ii) messages for pecuniary reward; or
 - (iii) messages for or on behalf of a third party;
- (d) no message which is offensive, indecent or obscene is transmitted from the station of the licensee;

- (e) the frequency is monitored in order to ensure that the transmission will not cause interference to the station, before a call or test transmission is made;
- (f) where a call is to be made to another station, the call-sign of those stations is sent 3 times and not more than 8 times after which the signal 'de' shall be sent once and the call-sign of the calling station 3 times;
- (g) where a station fails to respond to a call sent 3 times by a calling station at intervals of 2 minutes, the calling shall cease until an interval of 15 minutes has elapsed, after which the calling may then resume; and
- (h) when answering the call of the calling station, the call-sign of the calling station is sent 3 times, the signal 'de' once and the call-sign of the answering station sent 3 times.

15. The Minister shall assign a call-sign to a station and may alter the call-sign of a station by notice published in the *Official Gazette*.

16. A licensee shall comply with the following requirements related to interference:

- (a) the licensee shall ensure that the equipment used at his station is designed, constructed, maintained and used in a way which shall not cause any harmful interference to the operations of other stations;
- (b) where interference of the type referred to in paragraph (a) does occur, the licensee shall take all reasonable steps to eliminate the source of that interference;
- (c) the licensee shall ensure that at all times all reasonable precautions are taken to avoid overmodulation, and shall keep the radiated energy of the station within the narrowest possible frequency bands having regard to the class of emission used;

- (d) the licensee shall ensure that radiation of harmonics and spurious emissions shall be suppressed to such a level as to minimize interference with other stations;
- (e) a licensee shall conduct tests intermittently in order to minimize and prevent the occurrence of interference, and shall keep a record of all tests in the station logbook referred to in regulation 17; and
- (f) where any adjustment to a station is necessary, the licensee shall make the adjustment by using a dummy load.

17. (1) A licensee shall keep a record, to be known as a station logbook, in which the licensee shall cause to be entered the following particulars:

- (a) the date and time of commencement and ending of every call made from the station;
- (b) the call-signs of all stations from which messages addressed to the station of the licensee were received or to which messages were sent;
- (c) the time of the commencement and termination of radio traffic;
- (d) the test transmission of the station; and
- (e) the frequency band and classes of emission.

(2) The licensee shall affix his signature to all recordings made in the station logbook.

(3) The station logbook shall be kept for a period of not less than 2 years at the business address of the licensee, and shall at all reasonable times be made available for inspection by an inspector.

18. The licensee shall at all reasonable times permit an inspector to enter the premises of the station and inspect and test the equipment at the station.

19. The Minister may grant approval to a licensee to establish a station as a mobile or portable station, subject to the following conditions:

- (a) that the mobile or portable station shall operate only in Barbados;
- (b) that the mobile or portable station shall operate frequency bands approved by the Minister;
- (c) that the mobile or portable station and the station shall not be operated simultaneously;
- (d) that, where a mobile or portable station is established, the call-sign shall be the same as that allocated to the station; and
- (e) that the transmitter output power of a mobile or portable station shall not exceed 10 watts.

SCHEDULE

PART I



Telecommunications Act
(Act 2001-36)

(Regulation 3(a))

TU039

APPLICATION FOR AMATEUR LICENCE

PART A: APPLICANT INFORMATION

(Please read the Notes provided at the back of this Form before completion)

1. Name of Applicant (as in Passport):

2. Address of Applicant (Home):

3. Date of Birth:

4. Arrival Date:

5. Nationality:

6. Telephone No.:

7. Facsimile No.:

8. Pager No.:

9. "E-mail" address:

10. Is application submitted with Cheque: Yes No

If under 18 Years

Full Name of Parent or Guardian	
Address	
Relationship (if any) to applicant	
Name of Current Employer	
Occupation/Designator	
Amateur Operator's Qualification	
Certificate Number	

Application Information

Type of Licence	General Class <input type="checkbox"/>
	Mobile/Portable <input type="checkbox"/>

Station Information

Location

Address

**Antenna Electrical
Characteristic**

Choice Call-Sign

Do you prefer a choice call-sign Yes No

If yes please indicate your preferred call-sign in the following format where XX is from AA to ZZ

1st Choice	8P6XX			2nd Choice	8p6XX		
------------	-------	--	--	------------	-------	--	--

Note: Applicant is required to enclose a payment of \$25.00 for the choice call-sign together with this application. The approval will be subject to the following conditions:

- Only licensed radio amateurs shall be allowed to apply for a call-sign under the choice call-sign scheme. The call-sign cannot be applied in advance and kept unused.
 - Each radio amateur shall be allocated only one call-sign. Submission of multiple applications will not be accepted.
 - The call-sign allocated under the choice call-sign scheme shall not be transferable.
 - The call-sign shall be withdrawn if the amateur ceases to hold a valid amateur radio station licence.
-

Radio Equipment Information

HF	Manufacturer	
	Model	
	Emission	
	Transmitter Output Power	
	Serial No.	
	Frequency Bands	
VHF/UHF	Manufacturer	
	Model	
	Emission	
	Transmitter Output Power	
	Serial No.	
Low Pass Filter	Operating Frequency	
	Manufacturer	
	Model Attenuation	

Radio Equipment Information

Other equipment	Manufacturer
	Model
	Emission
	Transmitter Output Power
	Serial No.
	Frequency Band

We declare that we have not commenced provision or operation of any of the telecommunication stations or networks applied for in this application and all the information in this application form is true and correct. We understand that approval from the Ministry responsible for Telecommunications in Barbados for this application is based on information as declared in this application. We further acknowledge that, should any of the information declared herein be found to be untrue, inaccurate or incorrect, any licence granted by the Ministry will be rendered null and void. The Ministry reserves its right to impose penal sanctions against us under any applicable laws and regulations in force, and this is without prejudice to any civil remedies that the Ministry has against us if any information declared in the application be found to be untrue, inaccurate or incorrect.

I have been given a copy of the Amateur Radio Handbook.

 Name/Signature

 Date

IMPORTANT INFORMATION

1. Applicant is required to submit photocopies of the following documents with this application:
 - (a) Passport (for foreigners).
 - (b) Current amateur station licence (if any).
 - (c) Amateur operator certificate.
 - (d) Letter from the owner of the premises approving the installation of amateur radio antenna. (For premises which are not owned by the applicant.
 - (e) Schematic diagrams of the proposed antenna installation (if any).
2. All amateur equipment has to be approved by the Ministry.
3. Payment for the Telecommunications Licence fees may be made by cheque.

PART II

Telecommunications Act
(Act 2001-36)

(Regulation 4(a))

TU040

**LICENCE TO KEEP, INSTALL, ERECT AND USE AN
AMATEUR RADIO TRANSMITTER**

No. _____ Date _____

M _____

Of _____



(hereinafter called the Licensee) is hereby licensed subject to the terms, provisions
and conditions herein set forth and to the payment of all sums due in respect thereof,
to keep, install, erect and use an amateur wireless sending and receiving station at

at such other places as may be approved by the Telecommunications Officer
(hereinafter called the Inspector) and endorsed until the 31st day of
December, 20 .

CONDITIONS**1. Radiotelegraph Conventions Regulations and Agreements**

The Licensee shall observe and comply with the provisions of the International Telecommunications Union and the Radiocommunication Regulations annexed thereto and with such regional and local regulations and agreements as may from time to time be in force, so far as they are applicable to amateur stations.

2. Power, Frequencies and Types of Emission

Except as provided in condition 15, sending shall take place only on frequencies within the bands and by the type of emission specified hereunder by the Inspector, and the total D.C. Power input to the emitter circuit of the transistor energising the aerial does not exceed that shown against the respective frequencies:

Power (in watts)	Frequencies KHz	Approximate Equivalent Wave length (in Metres)	Types of Emission
250	1800-2000	160	All Modes
250	3500-4000	80	All Modes
250	7000-7300	40	All Modes
250	10100-10150	30	AIA FIB A4 F4 A5 F5
500	14000-14350	20	All Modes
500	18068-18168	17	All Modes
500	21000-21450	15	All Modes
500	24890-24990	12	All Modes
500	28000-29700	10	All Modes
100	5000-54000	6	All Modes
100	144000-148000	2	All Modes
100	220000-225000	1.3	All Modes
100	430000-440000	0.7	All Modes

The use of "spark" sending apparatus is specifically forbidden. Unrectified alternating voltage shall not in any circumstances be employed for the high tension supply to the sending apparatus, and the high tensions shall be so smoothed that the value of the residual ripple voltage does not exceed 5 per cent of the D.C. voltage.

3. Frequency Control and Measurement

- (a) Subject always to the provisions of condition 15, the sending apparatus when in use shall be tuned to a frequency within one of the bands authorised in condition 2, which frequency shall be so selected and maintained that no appreciable energy is radiated on any frequency outside the limits of the band and without modulation of keying, due allowance having been made for the inaccuracy of the calibrating device. A satisfactory method of frequency stabilization shall be employed in the sending apparatus.
- (b) There shall be kept at the station and used whenever necessary (and on all occasions when the frequency used for sending is changed) a reliable frequency meter of the piezo-electric type or other type approved by the Inspector, for measuring the sending frequency to an accuracy of not less than 0.1 per cent; and this frequency meter shall be independent of the normal frequency stabilising apparatus of the sender. Where the sending apparatus is crystal-controlled, the independent frequency meter need not be of the piezo-electric type but must be adequate for the purpose of checking that the sender is operating normally.

4. Operators

The station must in all cases be operated by or under the direct supervision of

5. Sending Periods

Subject to the provisions of conditions 15 the station may be operated at any time, but no period of sending shall exceed 10 consecutive minutes. Sending shall not commence without listening on the frequency which is to be used in order to ascertain, as far as possible, whether interference is likely to be caused thereby with any other station or service which may be working.

6. Log

An accurate running record or log shall be kept in the English language in a book of approved type (not loose-leaf) of all working and activities and sending periods of the station, showing the date and time of each such working or activity or sending period, the frequency and type of emission employed, and the Call Sign or name of the station or person with whom communication was maintained or attempted. No gaps shall be left between entries in the Log and every entry therein shall be made in ink or in indelible pencil at the time of recording by the authorised operator named in Condition 4.

7. Receiver

The station shall always be equipped for the efficient reception of signals sent on frequencies in current use at the station at any time by means of Telecommunication, Radiocommunication and any other type of emission authorised in Condition 2.

8. Messages and Transmissions

Except as in these conditions expressly provided,

- (a) messages and transmissions may be exchanged only with amateur stations (as defined by the International Telecommunications Union Radio Regulations) in their country or in other countries which have not notified their objection to such radio-communications;
- (b) messages and transmissions sent or received or exchanged by means of the station must be in plain language and must be limited to messages of technical nature relating to tests and to remarks of a personal character relating solely to private (but not business) affairs of the Licensee and the person with whom he is communicating, for which, by reason of their importance, recourse to the public telecommunication service would not be justified;

- (c) special compact discs for reproducing modulations of definite tones may be used for test purposes. Gramophone records of the type intended for entertainment purposes may be utilised on the condition that only one such compact disc is used during the course of any day, the same compact disc being repeated as desired; any record so used shall not have a playing time exceeding 10 minutes when played at the correct speed;
- (d) it is expressly forbidden to use the station or to allow or cause the station to be used for:
 - (i) transmitting international communications on behalf of third parties;
 - (ii) advertising or business purposes;
 - (iii) the sending or reception of broadcast programmes;
 - (iv) the sending or reception of news or of messages of persons other than the Licensee or the person with whom he is communicating in accordance with the terms and conditions of this Licensee;
 - (v) the sending or reception of social or political propaganda or the messages of any social or political organisation or messages of a social or political character;
 - (vi) the sending or reception of any messages or matter likely to cause public excitement or alarm, or of an indecent or offensive nature; or
 - (vii) any purpose not authorised by this Licence; and
- (e) the Licensee shall not receive any payment or valuable consideration of any kind (either direct or indirect) for use of the station.

9. Security or Correspondence

If any message or communication which the Licensee is not entitled to receive is unintentionally received, the Licensee shall not make known or allow to be made known its contents, its origin or destination, its existence or the fact of its receipt to any person other than the Inspector or a competent legal tribunal, and shall not reproduce in writing, copy or make any use of such message or communication or allow the same to be reproduced in writing, copied or made use of except as directed by the said Inspector.

10. Call Sign

- (a) The call sign 8p6/8p9 has been allotted to the station. The prefix of nationality and locality "8p6" must invariably be included in the call sign which may be sent either by Morse telegraphy at a speed not greater than 20 words per minute or telephonically if the station is authorised to use telephony.
- (b) The call sign must be sent for identification purposes at the beginning and at the end of each period of sending, and at short intervals during each period.
- (c) In calling another station the call sign must be sent and may be repeated throughout a period of not more than one minute, after which the signal "de" must be sent once and the call sign of the calling station 3 times. This procedure may be repeated but the time taken in calling must not exceed 3 minutes without an interval during which the operator must listen in the band of frequencies in which the call has been made.
- (d) In answering a call, the call sign of the calling station must be sent 3 times, the signal "de" once and the call sign of the answering station 3 times.
- (e) When telephony is used the letters of the call signs may be confirmed by the pronunciation of well-known words of which the initial letters are the same as those in the call signs. Words used in this manner must not be of a facetious character, nor be capable of undesirable misinterpretation.

11. Non-Interference

- (a) The station shall be arranged and used in such a manner as not to cause interference with other stations or services outside the authorised bands or with any other form of lawfully established telecommunication service.
- (b) Sending shall at once be discontinued or postponed at the request of the Inspector or any Government or commercial station.

- (c) When telegraphy is being used the arrangement employed for keying, the sender must be such as to reduce to a minimum the risk of interference due to key clicks being produced in neighbouring apparatus. Whenever, for any reason, the carrier wave of the sender is being modulated by any system of modulation, care must be taken to avoid over-modulation. Particular care must be taken to avoid unwanted frequency modulation of the carrier frequency. At all times every precaution shall be taken to prevent the radiation of energy at frequencies other than those which are necessary for the type of emission in use.

12. Aerial

- (a) Where the station is situated within a mile of any aerodrome, the aerial of its supports and the markings and lighting thereof shall comply with any requirements or conditions for enhancing the safety or efficiency of aircraft operation, and the highest point of the aerial or its supports above ground level shall not exceed 50 feet except with the express permission of the Inspector endorsed on this Licence.
- (b) Where the station is situated more than half a mile from an aerodrome, the height of the aerial above ground level shall not exceed 75 feet except with the express permission of the Inspector endorsed on this Licence.
- (c) An aerial which crosses above or is liable to fall upon or be blown on to any overhead electric power wire (including electric lighting wires) or power apparatus or telephone cable or wire must be guarded to the reasonable satisfaction of the owner of the wire or apparatus or cable concerned.

13. Use of Supply Mains

Where power for the working of the station is taken from a public electricity supply, no direct connection shall be made between the supply mains and the aerial.

14. Copyright

This Licence does not authorise the Licensee to do, or to cause or allow to be done, any act or thing which is an infringement of any copyright which may exist in the matter transmitted.

15. Inspection and Supervision

- (a) The station and all apparatus in it or associated therewith (including masts and aerials) shall be subject to the approval and directions of the Inspector and, together with the station record or log and this Licence, shall be open to inspection and test at any time by the Inspector or any person authorised by him in writing in that behalf.
- (b) The Licensee shall immediately comply with and take steps to give effect to all directions which may be given to him by the Inspector in respect of the station or any apparatus herein or associated therewith (including masts and aerials) or any messages or transmissions sent or received or intended to be sent or received by the station.
- (c) The Licensee shall provide the Inspector or any person authorised by the Minister in writing in that behalf with any information which may at any time be required by the said Inspector or authorised person in respect of the establishment or working of the station or any apparatus therein or associated therewith, or any messages or other communication sent or received thereby.

16. Control in Emergency

- (a) If and whenever in the opinion of the Minister an emergency shall have arisen in which it is expedient for the public service that the Minister shall have control over the sending of messages by means of the station, it shall be lawful for the Inspector to
 - (i) direct and cause the station to be taken possession in the name and on behalf of the Government of Barbados;
 - (ii) prevent the Licensee from using it and for these purposes or any of them to cause any part of or all the apparatus forming the station to be removed to such place as he may think fit; and
 - (iii) direct any person authorised by the Minister from time to time to enter the premises at which the stations are maintained for any such purposes as aforesaid.
- (b) The Licensee shall not be entitled to any compensation in respect of the exercise by the Government of Barbados of the powers conferred by this condition, which shall remain in force notwithstanding the withdrawal or modification of the licence.

Chief Telecommunications Officer

NOTICE

1. This Licence is not valid unless within 7 days of the date of issue thereof there has been paid into the Chief Telecommunications Officer by or on behalf of the Licensee to the credit of general revenue such sum as set out in the *Telecommunications (Licence Fees) Regulations, 2003*; and an endorsement thereon by the Ministry responsible for Telecommunications to the effect that the sum has been paid is sufficient proof of payment. 2003/78.
2. If all sums due in respect of the Licence have been paid, the Licence is renewable annually during the month of January in each year on its production at the Public Treasury and on payment by or on behalf of the Licensee to the credit of general revenue of the relevant fee set out in the *Telecommunications (Licence Fees) Regulations, 2003*; and an endorsement of the renewal on the Licensee by the Ministry responsible for Telecommunications is sufficient proof thereof. 2003/78.
3. This Licence is subject to cancellation or withdrawal at any time either by specific notice in writing sent to the Licensee by post at the address set out in the Licence or by means of a general notice in a local newspaper.
4. The endorsement of the licence shall be set out as follows:

ENDORSEMENT

The sum of _____ dollars having been received, this Licence is hereby renewed until the 31st day of December, _____.

Date: _____

Chief Telecommunications Officer