



TUL139

*Telecommunications Act  
(Act 2001 - 36)*

*(Regulation 4 (a))*

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

No. 0084 Date 02 JULY 2012

Mr DAVID FARNSWORTH

Of P.O.BOX 16 MCCONNELLSVILLE NY 13401, UNITED STATES OF AMERICA

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(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  
SURFSONG, WELLSRING, ST. PHILIP, BARBADOS

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at such other places as may be approved by the Telecommunications Officer (hereinafter called the Inspector) and endorsed until the 31<sup>st</sup> day of December, 2012



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## **CONDITIONS**

### **1. Radiotelegraph Convention 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 if the transistor energizing 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	A1A F1B 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	50000-54000	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 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.

### **Operators**

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

**DAVID FARNSWORTH**

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### **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 Transmission**

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 **8P9DF** has been allotted to the station. The prefix of nationality "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 the 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 services.
- (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 over head 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 or 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
- (b) Any person authorised by the Minister may from time to time enter the premises at which the stations are maintained for any of the purposes mentioned in condition (6) (a).
- (c) 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.



## NOTICE

S.I. 2003  
No. 78.

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 the Ministry responsible for Telecommunications endorsement thereon to the effect that the sum has been paid, is sufficient proof of payment.

S.I. 2003  
No. 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 the relevant fee set out in the *Telecommunications (Licence Fees) Regulations, 2003* and the Ministry responsible for Telecommunications endorsement on the Licence of the renewal is sufficient proof thereof.

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 set out as follows on the next page.



**ENDORSEMENT**

The sum of THIRTY dollars having been received, this Licence is hereby renewed until the 31<sup>st</sup> day of December, 2012

Date: 02 JULY 2012



Chief Telecommunications Officer

The sum of \_\_\_\_\_ dollars having been received, this Licence is hereby renewed until the 31<sup>st</sup> day of December, \_\_\_\_\_

Date: \_\_\_\_\_

Chief Telecommunications Officer

The sum of \_\_\_\_\_ dollars having been received, this Licence is hereby renewed until the 31<sup>st</sup> day of December, \_\_\_\_\_

Date: \_\_\_\_\_

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Date: \_\_\_\_\_

Chief Telecommunications Officer

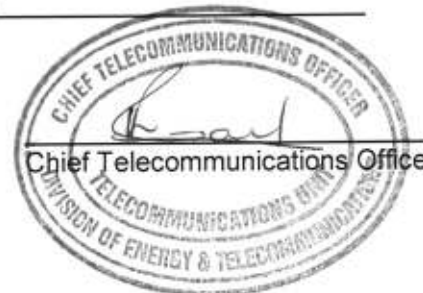
The sum of \_\_\_\_\_ dollars having been received, this Licence is hereby renewed until the 31<sup>st</sup> day of December, \_\_\_\_\_

Date: \_\_\_\_\_

Chief Telecommunications Officer

The sum of \_\_\_\_\_ dollars having been received, this Licence is hereby renewed until the 31<sup>st</sup> day of December, \_\_\_\_\_

Date: \_\_\_\_\_



Chief Telecommunications Officer