

INTERNATIONAL TELECOMMUNICATION UNION

Radiocommunication Bureau

(Direct Fax No. +41 22 730 57 85)



Circular Letter

CR/119

4 June 1999

To Administrations of Member States of the ITU

Subject: Closure date for submission by administrations of the seasonal High Frequency Broadcasting Schedule for the period **November 1999 - March 2000 (B-1999)**

To the Director-General

Dear Sir or Madam,

1. I wish to inform you that, in accordance with the provisions of No. S12.31 of the Radio Regulations, the Radiocommunication Bureau has set **11 August 1999** as the closure date for the receipt of the above-projected seasonal Broadcasting Schedules.

2. In view of the need to issue the Tentative Schedule to administrations two months ahead of the implementation date (No. S12.34 of the Radio Regulations) and considering the time required for calculations, reproduction and dispatch, administrations are urged to send in their Schedules

before the closure date and, so far as possible, before 30 July 1999.

3. Late submissions not only may fail to be incorporated in the Tentative Schedule but could seriously affect its value to administrations and that of any recommendation made by the Bureau. Utilisation of an incomplete Tentative Schedule, moreover, would lead to confusion and difficulty as soon as it is published.

4. Requirements are to be submitted by administrations or organisations who are authorised by the administrations concerned to do so, such as broadcasters and frequency managers. In the latter case, administrations are expected to advise the Bureau in writing, in advance, stating the names of the authorized organizations, their three-letter code for ease of identification and the scope of the authorizations (see S12.1); otherwise the requirements cannot be accepted by the Bureau.

5. Submission of requirements will be **in electronic format only**. Broadcasting requirements can be submitted to the Bureau using a 3 1/2" computer diskette or can also be sent electronically to bmail@itu.int (Resolution 535 of WRC-97 refers).

6. A common electronic format will be used. A list of the data fields to be submitted for a requirement and their specifications is given in Annex 1. The format of the electronic file of requirements is described in Annex 2.

7. The foreseen dates of dispatch to registered users of the CD-ROMs containing the updated schedule is indicated in Annex 3 together with the dates by which updated schedules shall be received by the Bureau in order to be incorporated.

Yours faithfully,

Robert W. Jones
Director
Radiocommunication Bureau

Annex: 3

Distribution:

- Administrations of Member States of the ITU
- Members of the Radio Regulations Board

ANNEX 1

INPUT DATA TO BE SUBMITTED FOR A REQUIREMENT

Administration Code (3-character string)

Mandatory, a three-letter administration code in accordance with the ITU's designation. An up-to-date reference list is included with the HFBC software package.

Alternate Frequencies/Bands (5-digit integer)

Optional. Up to three alternate frequencies/Bands can be notified. If notified, the Bureau will carry out the necessary analysis to select the most suitable frequency among the operating frequency and any alternate frequencies notified. For SSB usage, the nominal carrier frequency is to be notified.

Antenna Code (up to 3-digit integer)

Mandatory, a unique code representing transmitting antenna of specific technical parameters.

A list including antenna code and antenna definition, based on ITU-R BS 705, is to be maintained by the Bureau. A new antenna code can be added upon request of administrations. This is to avoid having the same antenna code for different transmitting antennas which may cause errors in determination of compatibility between requirements. An up-to-date reference list is included with the HFBC software package.

As the antenna codes between 1 and 76 are to be phased out, it is recommended that corresponding antenna codes in the range 100 to 950 should be used.

Antenna Design Frequency (up to 5-digit integer)

Mandatory, design frequency will be in kHz, within the range between 2 000 kHz and 30 000 kHz. 0 or blank signifies that antenna is designed for the operating frequency.

Antenna slew angle (up to 2-digit integer)

Antenna slew angle is the difference between the azimuth of maximum radiation and the physical orientation of the antenna. If a slewed antenna is in use, the slew angle must be notified. The value notified must be in the range -30 to 30. Default value is 0.

Azimuth of maximum radiation (up to 3-digit integer)

Mandatory. If the transmitting antenna is directional, the value for the azimuth of maximum radiation must be notified. This must be in the range 0 to 360 degrees (from True North). If the antenna is non-directional, 0 shall be notified.

Broadcaster Code (3-character string)

Recommended. An up-to-date reference list containing codes, names and contact information of broadcasting organisations is included with the HFBC software package.

Site Code (3-character string)

Mandatory. Unique code representing transmitting site.

A list including site code, site name, its geographical co-ordinates is to be maintained by the Bureau. A new site can be added upon request of administrations. This is to avoid having the same site code for different transmitter sites which may cause confusion in coordination of requirements. An up-to-date reference list is included with the HFBC software package.

Start Date (6-character string)

Mandatory. The start date may not be earlier than the start of the schedule period. The start date may not be the same as the stop date for a requirement.

Start Time (4-digit integer)

Mandatory. A valid start time for this requirement must be notified using the 24 hour UTC system. The value must be an integral multiple of 1 minute and may not be the same as the Stop Time.

Stop Date (6-character string)

Mandatory. The stop date may not be later than the end of the schedule. The stop date may not be the same as the start date for the same requirement.

Stop Time (4-digit integer)

Mandatory. A valid stop time for this requirement must be notified using the 24 hour UTC system. The value notified must be an integral multiple of 1 minute and may not be the same as the Start Time.

Target Service Area (30-character string)

Mandatory. A set of CIRAF Zones/Quadrants must be notified representing the target area to be served.

A Zone number on its own may be used or it may be followed by S, SW, etc. to indicate a Quadrant. More than one Zone or Zone/Quadrant may be notified, provided that they are separated by a comma.

Transmitter power in kW (up to 4-digit integer)

Mandatory. The power of the transmitter in kW must be notified. The value notified must be an integer in the range 1 to 5000 (kW).

For DSB transmitters the carrier power is to be given; for SSB transmitters the peak envelope power is to be used.

ANNEX 2

ELECTRONIC FORMAT FOR INPUT/OUTPUT TEXT FILE

Line 1

Item	Format	Start col.	Stop col.	Range	Examples	Note
;	A1	1	1		;	
Season	A3	3	5	Ref. table season.txt	A99	
Notifying organization	A3	7	9		RNW	Administration or Freq. Management org.
Date sent	A11	11	21	dd-mmm-yyyy format	10-oct-1998	

then, one line for each requirement:

Item	Format	Start col.	Stop col.	Range	Examples	Note
Frequency/Band (kHz)	I5	1	5	Ref. table Rngfreq.txt	9895, 6	
Start time (UTC)	I4	7	10	0000-2359	0125, 2300	
Stop time (UTC)	I4	12	15	0001-2400	0027	
Target Service Area	A30	17	46	1-85	27, 28sw, 18-20	
Station code	A3	48	50	Reference table	SMG, FLE	
Power (kW)	I4	52	55	1-5000 kW	250	
Azimuth of Maxim. Radiation	I3	57	63	0 - 359	87	
Antenna Slew Angle	I3	65	67	>= -30, =< +30	-15	
Antenna Code	I3	69	71	Ref. table Antenna.txt		
Days of operation	A7	73	79	1-7 (Sunday=1)	56 or 1234567	
Start date	A6	81	86	>= Start date of season	270399	
Stop date	A6	88	93	<= Stop date of season	250900 = (25 Sep. 2000)	
Modulation	A1	95	95	D=DSB, S=SSB -12, T=SSB -6 dB N=Digital.	D	
Antenna design frequency (kHz)	I5	97	101	2 000 - 30 000 kHz	7200	If blank or zero operating freq. is assumed
Language (o)	A10	103	112	Free format	English	
Administration Code	A3	114	116	Ref. table Admin.txt	USA	
Broadcaster Code(r)	A3	118	120	Ref. table Broadcas.txt	TWR	
Frequency Manager Organ. Code (r)	A3	122	124	Ref. table FMOrg.txt	FCC	If blank, identical to Administration code.
Identification (br)	I5	126	130			BR or coordination group generated.
Old data (br)	I1	132	132	1 if no info is received	1	BR generated, output file only.
Alternate. Frequency 1/ Alternate. Band 1 (o)	I5	134	138	band in MHz (6,7 etc) or freq. in kHz	7150	
Alternate. Frequency 2/ Alternate. Band 2 (o)	I5	140	144	band in MHz (6,7 etc) or freq. in kHz	9	
Alternate. Frequency 3/ Alternate. Band 3 (o)	I5	146	150	band in MHz (6,7 etc) or freq. in kHz	11	
Notes (o)	A7	152	158			

(r) Recommended
(o) Optional

(br) BR generated

ANNEX 3

HFBC on CD-ROM - Season B99
List of editions and closing dates for submissions

Schedule Title	Date of edition	Date limit for submissions
B99 Tentative	30 August 1999	11.08.1999
B99 Schedule 1	29 October 1999	13.10.1999
B99 Schedule 2	23 December 1999	08.12.1999
B99 Schedule 3	28 February 2000	09.02.2000
B99 Final	28 April 2000	12.04.2000