# INTERNATIONAL TELECOMMUNICATION UNION

*Radiocommunication Bureau*
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Circular Letter                                                                                   22 May 2008
   CR/285

### To Administrations of Member States of the ITU

**Subject**:  **Application of Article 12 of the Radio Regulations**
   1) Closing date for receipt of High Frequency Broadcasting schedules for the season
   **B08 (26 October 2008 – 29 March 2009)**
   2) Regional coordination meetings, 2008

To the Director General

Dear Sir / Madam

1.       Closing date of receipt of HF broadcasting schedules for the season B08

1.1       In accordance with provision No. 12.31 of the Radio Regulations, I wish to inform you that the Radiocommunication Bureau has set **17 August 2008** as the closing date for the receipt of the HFBC schedules for the season B08.

1.2       In order to issue the first Tentative Schedule (**B08T1**) and dispatch it to subscribers two months ahead of the implementation date (No. 12.34 of the Radio Regulations), administrations and authorized organisations are urged to send in their tentative schedules

   **before the closing date and, if possible, before 20 July 2008.**

1.3       Requirements are to be submitted by administrations or authorized organizations, such as broadcasters. In the latter case, administrations that have not yet advised the Bureau, shall do so in writing, stating the names of the authorized organizations, their three-letter code for ease of identification and the scope of the authorizations (see 12.1); otherwise the requirements will not be accepted by the Bureau.

1.4       Submission of requirements must be **in electronic format only**, and can be submitted to the Bureau using a 3 ½" computer diskette or can be sent electronically to brmail@itu.int (Resolution 535 (Rev.WRC-03) refers).

1.5       The common electronic file format that shall be used is indicated in Annex 1. A description of the fields to be submitted for a requirement and their specifications is given in Annex 2. In view of the current constraints of the ITU data processing systems, the information should continue to be provided only in ISO-8859-1 (Latin-1) characters set.

1.6     The foreseen dates of dispatch to subscribers of the CD-ROMs containing the updated schedule are indicated in Annex 3 together with the dates by which updated schedules need to be received by the Bureau in order to be incorporated.

1.7     The Bureau wishes to emphasize that submission of requirements before the closing date is necessary in order to obtain a complete and accurate tentative schedule together with compatibility analysis for effective coordination process.

2.      Regional coordination meetings

2.1     The Bureau has been informed of an HFCC/ASBU coordination meeting organized by the HFCC/ASBU regional coordination groups established in accordance with Article 12.11. The meeting will take place from 25 to 29 August 2008 in Moscow, Russian Federation. Administrations are encouraged to participate in the meeting, which has proved effective in coordinating HFBC schedules among all HF users. For additional information please contact the Regional Coordination Groups:

- African Union of Broadcasting (AUB): http://www.urtna.org
- Arab States Broadcasting Union (ASBU): http://www.asbu.net
- Asia-Pacific Broadcasting Union – High frequency Coordination (ABU-HFC): http://www.abu.org.my
- High Frequency Coordination Conference (HFCC): http://www.hfcc.org

Yours faithfully,

Valery Timofeev
Director
Radiocommunication Bureau

Annexes: 3

Distribution:

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

# ANNEX 1

## ELECTRONIC FORMAT OF THE TEXT FILE TO BE USED FOR NOTIFICATION OF HF BROADCASTING

## Line 1

| Item | Format | Start col. | Stop col. | Range | Examples | Note |
|---|---|---|---|---|---|---|
| ; | A1 | 1 | 1 | | ; | |
| Season | A3 | 3 | 5 | Ref. table season.txt | B08 | |
| Notifying organization | A3 | 7 | 9 | Ref. table admin.txt or Ref. table authoris.txt | AFS or SNT | Administration or Authorized organization |
| Date sent | A11 | 11 | 21 | dd-MMM-yyyy format | 20-JUL-2008 | (in English) |

## 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 or 6 | Frequency in kHz or Band in MHz (6,7, etc.) |
| Start time (UTC) | I4 | 7 | 10 | 0000-2359 | 0125 | |
| Stop time (UTC) | I4 | 12 | 15 | 0001-2400 | 0027 | |
| Target Service Area | A30 | 17 | 46 | 1-85 | 27, 28SW, 18-20 | Caution: Some CIRAF zones are not divided into quadrants: 1-5,17,19-26,67,69-75 |
| Station code | A3 | 48 | 50 | Ref. table Site.txt | SMG | |
| Power (kW) | I4 | 52 | 55 | 1-5000 | 250 | Caution: for less than 1 kW use 1 |
| 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 | 211 | |
| Days of operation | A7 | 73 | 79 | 1-7 | 56 or 1234567 | Sunday=1 |
| Start date | A6 | 81 | 86 | >= Start date of the season | 261008 | (26 October 2008) |
| Stop date | A6 | 88 | 93 | <= Stop date of the season | 290309 | (29 March 2009) |
| Modulation | A1 | 95 | 95 | D=DSB, T=SSB -6 dB N=Digital. | D | |
| Antenna design frequency (kHz) | I5 | 97 | 101 | 2000-30000 | 7200 | If blank or zero operating freq. is assumed |
| Language (o) | A10 | 103 | 112 | Ref. Table Language.txt | EngFre | |
| 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 | Ref. table Rngfreq.txt | 7150 | Frequency in kHz or band in MHz (6,7, etc.) |
| Alternate. Frequency 2/ Alternate. Band 2 (o) | I5 | 140 | 144 | Ref. table Rngfreq.txt | 9 | Frequency in kHz or band in MHz (6,7, etc.) |
| Alternate. Frequency 3/ Alternate. Band 3 (o) | I5 | 146 | 150 | Ref. table Rngfreq.txt | 11 | Frequency in kHz or band in MHz (6,7, etc.) |
| Notes (o) | A7 | 152 | 158 | | | |

(r)    Recommended
(o)    Optional
(br)  BR generated

## ANNEX 2

### 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 necessary analysis to select the most suitable frequency amongst the indicated frequencies. For SSB operation, the nominal carrier frequency has 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 codes and antenna definitions, based on ITU-R BS 705, is maintained by the Bureau. A new antenna code can be added upon request of administrations or organization authorized to notify. An up-to-date reference list is included with the HF software package.
For new antenna system, please use the code 991 and provide a complete description in a separate file.

**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. The use of symbol 0 or blank means that the 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 359 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 organizations is included with the HFBC software package.

**Days of operation (up to 7-character string)**

Mandatory.  Each day is indicated by a number where 1 indicates Sunday and 7 indicates Saturday.

**Frequency/Band (5-digit integer)**

Mandatory.  The frequency or Band on which this requirement is intended to operate.  The value, expressed in kHz shall be an integer multiple of 5 kHz and within the frequency bands below.
For SSB usage, the nominal carrier frequency is to be notified.

| Available Bands [kHz] |
| --- |
| 5 900 - 5 950** |
| 5 950 – 6 200 |
| 7 100 - 7 300* |
| 7 300 – 7 350** |
| 9 400 - 9 500** |
| 9 500 - 9 900 |
| 11 600 - 11 650** |
| 11 650 – 12 050 |
| 12 050 – 12 100** |
| 13 570 - 13 600** |
| 13 600 - 13 800 |
| 13 800 - 13 870** |
| 15 100 - 15 600 |
| 15 600 – 15 800** |
| 17 480 - 17 550** |
| 17 550 - 17 900 |
| 18 900 – 19 020** |
| 21 450 - 21 850 |
| 25 670 - 26 100 |

   \*     Regions 1 and 3 only
\*\*   Administrations are encouraged to use these bands to facilitate the introduction of digitally modulated emissions in accordance with the provisions of No. 5.134 and Resolution 517 (Rev. WRC-07).

**Frequency Management Organization (3-character string)**

Recommended.  An organization authorized by the Administration to carry out the planning of its broadcast requirements on its behalf.

**Language (10-character string)**

Optional. The field is included to facilitate identification of requirements that may be the sources of interference. An up-to-date reference list (Language.txt) is included with the HFBC software package.

**Modulation (1-character string)**

Mandatory. D for DSB, T for SSB with 6 dB carrier reduction and N for digital DRM system. Any other modulation system which is recommended by the ITU-R for use by HFBC shall be identified by a suitable letter code, to be determined by the Bureau when required.

**Notifying Organization (3-character string)**

Mandatory. An administration or an organization authorized by an administration to notify its broadcast requirements on its behalf. An up-to-date reference list 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 maintained by the Bureau. A new site can be added upon request of administrations or authorized organizations to notify. An up-to-date reference list is included with the HFBC software package.
For new transmission sites, please use the codes SP1 to SP9, and provide the site name, geographical coordinates and proposed code(s) in a separate file.

**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 shall be between 0000 and 2359 included 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 shall be between 0001 and 2400 included 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.

The following CIRAF zones are not divided into quadrants: 1-5, 17, 19-26, 67 and 69-75.

Maps showing the CIRAF zones and quadrants are included with the HFBC software package.

**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 3**

**HFBC Schedule on CD-ROM - Season B08 (26 October 2008 – 29 March 2009)**
**List of editions and closing dates for submissions**

| Schedule Title | Date of edition | Date limit for submissions |
|---|---|---|
| **B08 Tentative 1 (B08T1)** | **End of August 2008** | **17 August 2008** |
| **B08 Tentative 2 (B08T2)** | **End of September  2008** | **14 September 2008** |
| **B08 Schedule 1 (B08S1)** | **End of October 2008** | **19 October 2008** |
| **B08 Schedule 2 (B08S2)** | **End of December 2008** | **7 December 2008** |
| **B08 Final (B08F)** | **End of April 2009** | **19 April 2009** |