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Terrestrial Workshop on the Preparation of Notices for the Broadcasting Service

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Overview of the notification workshop on the Broadcasting Service

- General guidelines on the notification process for the Broadcasting Service
- Reference documents for notification
- Exercises

General guidelines on the notification process: Broadcasting Service

- Each frequency assignment needs to be uniquely identified
- Identifying elements for broadcasting service notices:
 - Frequency and geographical coordinates
 - Unique identification code given by the administration
- These identifying elements enable administrations to submit, at any time, changes to a previously submitted notice
- A new notice having identical identifying elements of a previously notified frequency assignment will replace it
- Each notification shall be complete and validated before submitting to the Bureau
- BR Assign ID and site name are NOT identifying elements but they could be notified in the remarks field, for information

General guidelines on the notification process: Broadcasting Service

- A notice submitted to the BR is called a “Notice in Process” or “Notice” for all frequency assignments that have not yet been recorded in the Master Register or entered into a Plan
- To change any data item of a “Notice in Process”:
 - Submit a complete new notice with the relevant changes and the same intent as the previous “Notice”:
 - t_action = <identical to the t_action of the previous “Notice”>
- To change any data item of a recorded frequency assignment or a Plan entry:
 - Submit a complete new notice with the relevant changes and with the intent “MODIFY”:
 - t_action = MODIFY
- To cancel a “Notice”:
 - Submit a withdrawal notice using a TB5 or TB9 notice form:
 - t_action = WITHDRAW
- To suppress a recorded frequency assignment or a Plan entry;
 - Submit a suppression notice using a TB5 or TB9 notice form:
 - t_action = SUPPRESS

Reference documents for notification

- Guidelines and examples of different notice types

<http://www.itu.int/en/ITU-R/terrestrial/tpr/Pages/Notification.aspx>

- Preface to the BR IFIC

<http://www.itu.int/en/ITU-R/terrestrial/brific/Pages/default.aspx>



- Radio Regulations and Regional Agreements



Exercises

● BS 01: VHF analog sound broadcasting assignment

Prepare an electronic notice file for the recording in the Master Register of a sound broadcasting station transmitting at 101.1 MHz and with characteristics as shown below.

To prepare this notice you may use the “File/New file” functionality available in TerRaNotices and select TRD as the notifying administration.

Transmitting antenna site name	MUSIC RADIO
Coordinates of the transmitting antenna site	61°32'00"W - 10°41'00"N
Antenna directivity	Omnidirectional
Polarization	M
Vertical effective radiated power	39 dBW
Horizontal effective radiated power	39 dBW
Necessary bandwidth	300 kHz
Maximum effective antenna height	659 m
Coordination completed	Grenada

To calculate the “Altitude of the site above sea level”, the “Effective antenna heights” and the “Maximum effective antenna height” you may use the “Tools/Calculate effective antenna heights using SRTM3 Terrain Database” functionality available in TerRaNotices.

Note: For Region 2, the data items “Altitude of the site above sea level” and “Height of antenna above ground level” are optional.

Exercises

● BS 02: UHF digital television broadcasting assignment

Prepare an electronic notice file for the recording in the Master Register of a TV broadcasting station transmitting at 503 MHz and with characteristics as shown below.

To prepare this notice you may use the “File/Wizard” functionality available in TerRaNotices and select USA as the notifying administration.

Transmitting antenna site name	HUMACAO
Coordinates of the transmitting antenna site	65°51'00"W - 18°17'00"N
Altitude of site above sea level	726 m
Height of the antenna above ground level	594 m
TV system	T2
Antenna directivity	Non directional
Polarization	H
Effective radiated power	30 dBW
Maximum effective antenna height	1241 m
Operating hours	0000 to 2400

Exercises

● **BS 03: VHF analog sound broadcasting assignment**

Prepare an electronic notice file proposing to modify the assigned frequency to 102.9 MHz of a frequency assignment which is recorded in the Master Register having the unique identification code **HC-AR5** .

To prepare this notice you may use the “File/Open a notice from the database” functionality available in TerRaNotices and select EQA as the notifying administration.

● **BS 04: VHF analog television broadcasting assignment**

Prepare an electronic notice file proposing to suppress the frequency assignment on 177.0 MHz located at 74°35'00"W - 20°19'00"N that is no longer in use.

To prepare this notice you may use the “Tools/Generate TB notices” functionality available in TerRaNotices and select CUB as the notifying administration.

Exercises

● BS 05: AM sound broadcasting station (in the tropical zone)

Prepare an electronic notice file for the recording in the Master Register of an AM broadcasting station transmitting at 5527 kHz, having a circular receiving area of 200 km and other characteristics as shown below.

To adequately select the notice type, you may use the “File/Wizard” functionality available in TerRaNotices and select TRD as the notifying administration.

Transmitting antenna site name	PIARCO
Coordinates of the transmitting antenna site	61°21'00"W - 10°35'00"N
Necessary bandwidth	10 kHz
Class of emission	A3E
Antenna gain	0 dB
Power to the antenna	30 dBW
Antenna directivity	Omnidirectional

Exercises

● BS 06: MF sound broadcasting station (RJ81)

Prepare an electronic notice file for the publication in Part A of the RJ81 Special Section of an MF broadcasting station transmitting at 660 kHz. (Select TRD as the notifying administration.)

Transmitting antenna site name	CHAGUANAS
Coordinates of the transmitting antenna site	61°24'00"W - 10°31'00"N
RJ81 Plan class	B
Day-time operation	
Power to the antenna for day-time operation	50 kW
Antenna type	A
Necessary bandwidth	10 kHz
Class of emission	A3E
RMS radiation (field strength)	2123.8 mV/m at 1 km
Tower	1
Structure	0
Electrical height	90°
Night-time operation	
Power to the antenna for night-time operation	50 kW
Antenna type	A
Necessary bandwidth	10 kHz
Class of emission	A3E
RMS radiation (field strength)	2188.2 mV/m at 1 km
Tower	1
Structure	0
Electrical height	90°

The electronic notices prepared should be submitted to the BR via the WISFAT interface, which is accessible from the following address

<http://www.itu.int/en/ITU-R/terrestrial/tpr/Pages/Submission.aspx>.

Please indicate that the submission is for test purposes in the remarks field in the WISFAT submission form.

To connect to the WISFAT interface, you may use:

Username: wrsterre@ties.itu.int

Password: WRS2010

*Thank you for
your attention!*

ITU – Radiocommunication Bureau
Questions to brmail@itu.int or brtpr@itu.int