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Organized by

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, 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:
 - t_action = WITHDRAW (TB5 or TB9).
- To suppress a recorded frequency assignment or a Plan entry;
 - Submit a suppression notice:
 - t_action = SUPPRESS (TB5 or TB9).

General guidelines on the notification process: Broadcasting Service

- All notices submitted to the Bureau should be complete and validated by using either:
 - TerRaNotices
 - TerRaNV
 - Online validation (Beta)

<http://www.itu.int/ITU-R/terrestrial/OnlineValidation/Login.aspx>

- Incomplete notices are returned to the notifying administration

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 sound broadcasting assignment**

Prepare an electronic notice of frequency 96.0 MHz assigned to a sound broadcasting station based on the information below, for its recording in the Master Register.

To prepare this notice we will use the “New Notice” functionality of TerRaNotices and we will select Philippines (PHL) as the notifying administration.

Transmitting antenna site name	MANILA
Coordinates of the transmitting antenna site	121° 01'15"E 14° 37'25"N
Antenna directivity	Non-directional
Polarization	Vertical
Effective radiated power	24 dBW
Necessary bandwidth	300 kHz
Maximum effective Antenna height	52 m
Date of bringing the frequency assignment into use	6 May 2015
Address code	See Preface to the BR IFIC
Operating Hours	24 Hours
Assignment's unique identifier	MANILA FM-ex

Exercises

- BS 02 Solution: VHF digital sound broadcasting assignment T-DAB**

Prepare an electronic notice file of frequency 106.5 MHz assigned to a digital sound broadcasting station T-DAB, for its recording in the Master Register.

To prepare this notice we will use the “New Notice” functionality of TerRaNotices and we will select Sri Lanka (CLN) as the notifying administration.

Transmitting antenna site name	COLOMBO
Coordinates of the transmitting antenna site	79° 52'00"E 6° 54'00"N
Height of the Antenna above ground level	30 m
Polarization	Vertical
Effective radiated power	20 dBW
Necessary bandwidth	1536 kHz
Transmission system	S1
Maximum effective Antenna height	43 m
Date of bringing the frequency assignment into use	6 May 2015
Assignment's unique identifier	COLOMBO T-DAB ex
Address code	See Preface to the BR IFIC
Operating Hours	24 Hours

Exercises

- BS 03: UHF digital Television broadcasting assignment**

Prepare an electronic notice file of frequency 642 MHz assigned to a DVB-T2 broadcasting station based on the information below, for its recording in the Master Register.

To prepare this notice we will first use “Wizard” functionality of TerRaNotices and we will select Vietnam (VTN) as the notifying administration.

Transmitting antenna site name	TRAMPHAT
Coordinates of the transmitting antenna site	105° 45'21"E 10° 03'54"N
Polarization	Horizontal
Effective radiated power	51 dBW
Antenna Directivity	Non Directional
Assignment's unique identifier	VTC-CAN-Ex
Maximum effective antenna height	124 m
TV transmission system	T6
Date of bringing the frequency assignment into use	7 May 2015
Address code	See Preface to the BR IFIC
Operating Hours	24 Hours

Exercises

- **BS 04: Modification of an assignment which is recorded in the Master register**

Prepare an electronic notice for notifying the modification of the station name of a Broadcasting frequency assignment which is already recorded in the Master Register having the unique identification code B23042014057T0201 for the Administration of China (CHN).

To prepare this notice we will use the “Open a notice from the database” functionality of TerRaNotices and select CHN as the notifying administration.

- **BS 05: Request to suppress a frequency assignment**

Prepare an electronic notice for suppressing the following frequency assignment which is recorded in the Master Register..

To prepare this notice we will use the “Generate TB notices” functionality of TerRaNotices and we will select India (IND) as the notifying administration.

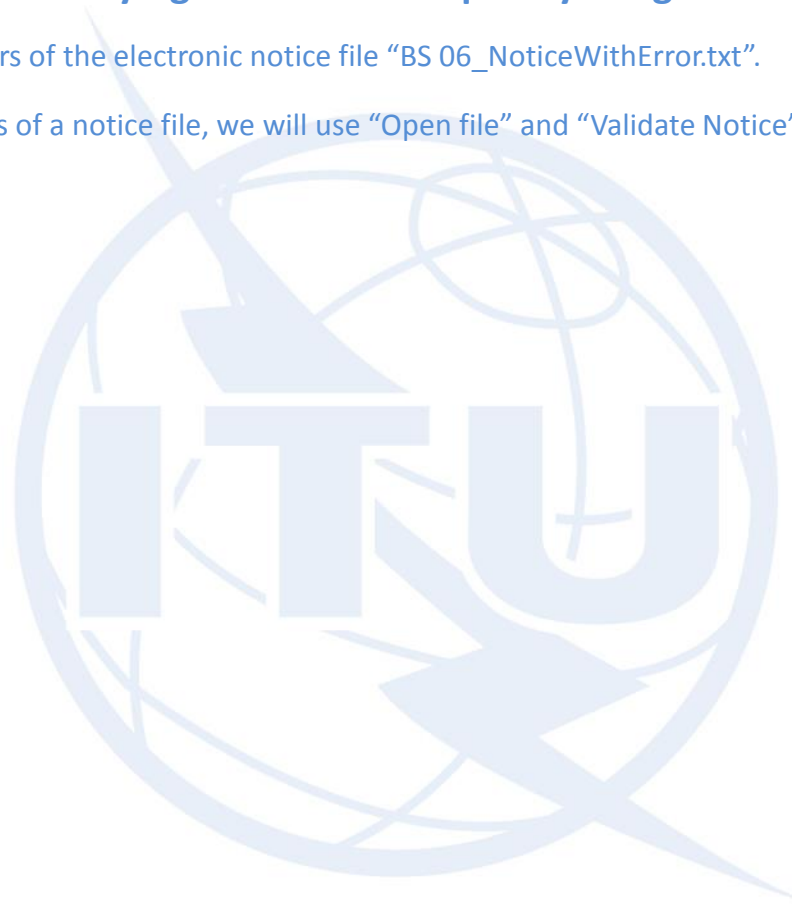
Coordinates of the transmitting antenna site	81° 50'00"E 25° 25'00"N
Assigned Frequency	182.5 MHz

Exercises

- **BS 06: Validating and identifying errors of a Frequency assignment notice**

Validate and identify the errors of the electronic notice file “BS 06_NoticeWithError.txt”.

To Validate and identify errors of a notice file, we will use “Open file” and “Validate Notice” functionalities of TerRaNotices.



Exercises

- LFMF 01: LF/MF sound broadcasting assignment**

Prepare an electronic notice file of frequency 1 485 kHz assigned to a sound broadcasting station, for its recording in the GE75 Plan. To prepare this notice we will use the “New Notice” functionality of TerRaNotices and we will select Singapore (SNG) as the notifying administration.

Transmitting antenna site name	Singapore 1
Coordinates of the transmitting antenna site	103° 42'00"E 1° 20'00"N
Assignment's unique identifier	Singapore MF-ex
Ground conductivity	3 mS/m
Day-time operation	
Height of the Antenna above ground level	68 m
Antenna type	A
Necessary bandwidth	15 kHz
Class of emission	A3E
Transmission system	Analog
Adjacent channel protection ratio	9
Power to antenna	0.100 kW
Maximum Effective monopole radiated power	-9.7 dB (kW)
Night-time operation	
Height of the Antenna above ground level	68 m
Antenna type	A
Necessary bandwidth	15 kHz
Class of emission	A3E
Transmission system	Analog
Adjacent channel protection ratio	9
Power to antenna	0.100 kW
Maximum Effective monopole radiated power	-9.7 dB (kW)

Exercises

- LFMF 02: LF/MF sound broadcasting assignment**

Prepare an electronic notice file of frequency 1 539 kHz assigned to a sound broadcasting station, for its recording in the GE75 Plan. To prepare this notice we will use the “New Notice” functionality of TerRaNotices and we will select Philippines (PHL) as the notifying administration.

Transmitting antenna site name	LIPA BATANGAS
Coordinates of the transmitting antenna site	121° 09'00"E 13° 56'0"N
Ground conductivity	10 mS/m
Assignment's unique identifier	Philippines MF-ex
Day-time operation	
Antenna type	A
Height of the Antenna above ground level	53 m
Necessary bandwidth	16 kHz
Class of emission	A3E
Transmission system	Analog
Adjacent channel protection ratio	9
Power to antenna	5 kW
Maximum Effective monopole radiated power	7.5 dB (kW)
Night-time operation	
Antenna type	B
Necessary bandwidth	16 kHz
Class of emission	A3E
Transmission system	Analog
Adjacent channel protection ratio	9
Power to antenna	5 kW
Maximum Effective monopole radiated power	9 dB (kW)

Exercises

Azimuths in 10° intervals	Night-time Antenna Gain (Horizontal plane)	Night-time operation Antenna Gain in the vertical plane									
		10°	20°	30°	40°	50°	60°	70°	80°	90°	
0°	0	0	0	-1	-3	-5	-8	-12	-18	-30	
10°	2	2	2	1	-1	-3	-6	-10	-16	-28	
20°	2	2	2	1	-1	-3	-6	-10	-16	-28	
30°	2	2	2	1	-1	-3	-6	-10	-16	-28	
40°	1	1	1	0	-2	-4	-7	-11	-17	-29	
50°	0	0	0	-1	-3	-5	-8	-12	-18	-30	
60°	0	0	0	-1	-3	-5	-8	-12	-18	-30	
70°	0	0	0	-1	-3	-5	-8	-12	-18	-30	
80°	0	0	0	-1	-3	-5	-8	-12	-18	-30	
90°	0	0	0	-1	-3	-5	-8	-12	-18	-30	
100°	0	0	0	-1	-3	-5	-8	-12	-18	-30	
110°	0	0	0	-1	-3	-5	-8	-12	-18	-30	
120°	0	0	0	-1	-3	-5	-8	-12	-18	-30	
130°	0	0	0	-1	-3	-5	-8	-12	-18	-30	
140°	0	0	0	-1	-3	-5	-8	-12	-18	-30	
150°	0	0	0	-1	-3	-5	-8	-12	-18	-30	
160°	0	0	0	-1	-3	-5	-8	-12	-18	-30	
170°	0	0	0	-1	-3	-5	-8	-12	-18	-30	
180°	0	0	0	-1	-3	-5	-8	-12	-18	-30	

Exercises

Azimuths in 10° intervals	Night-time Antenna Gain (Horizontal plane)	Night-time operation Antenna Gain in the vertical plane									
		10°	20°	30°	40°	50°	60°	70°	80°	90°	
190°	0	0	0	-1	-3	-5	-8	-12	-18	-30	
200°	0	0	0	-1	-3	-5	-8	-12	-18	-30	
210°	0	0	0	-1	-3	-5	-8	-12	-18	-30	
220°	0	0	0	-1	-3	-5	-8	-12	-18	-30	
230°	0	0	0	-1	-3	-5	-8	-12	-18	-30	
240°	0	0	0	-1	-3	-5	-8	-12	-18	-30	
250°	0	0	0	-1	-3	-5	-8	-12	-18	-30	
260°	0	0	0	-1	-3	-5	-8	-12	-18	-30	
270°	0	0	0	-1	-3	-5	-8	-12	-18	-30	
280°	0	0	0	-1	-3	-5	-8	-12	-18	-30	
290°	0	0	0	-1	-3	-5	-8	-12	-18	-30	
300°	0	0	0	-1	-3	-5	-8	-12	-18	-30	
310°	0	0	0	-1	-3	-5	-8	-12	-18	-30	
320°	0	0	0	-1	-3	-5	-8	-12	-18	-30	
330°	0	0	0	-1	-3	-5	-8	-12	-18	-30	
340°	-5	0	0	-1	-3	-5	-8	-12	-18	-30	
350°	-5	0	0	-1	-3	-5	-8	-12	-18	-30	

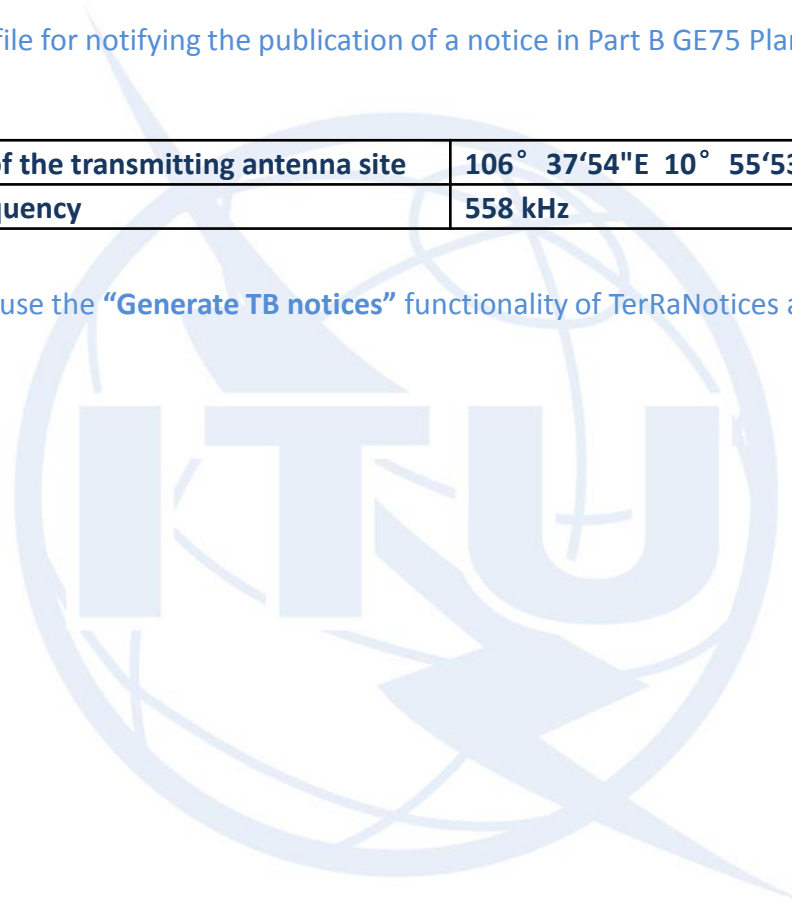
Exercises

- **LFMF 03: Request of publication in Part B**

Prepare an electronic notice file for notifying the publication of a notice in Part B GE75 Plan for the following notice.

Coordinates of the transmitting antenna site	106° 37'54"E 10° 55'53"N
Assigned Frequency	558 kHz

To prepare this notice we will use the **“Generate TB notices”** functionality of TerRaNotices and we will select J as the notifying administration.



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 on the WISFAT.

To connect to the WISFAT interface, the generic TIES username “wrsterre@ties.itu.int” and password “WRS2010” shall be used.

Thank you!

Questions?