Terrestrial Workshop on the Preparation of Notices for the Broadcasting Service

> 12-14 November 2013 Bogota, Colombia



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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
- The main features of TerRaNotices
- Exercises



- The notification process enables administrations to send, at any time, either new data or to modify the data previously submitted to the BR
 - The new notification will replace the previous one
 - The new notification shall be a complete notice with the relevant changes
 - The Bureau needs to uniquely identify each notice



- Identifying elements of a broadcasting service notification
 - Frequency and geographical coordinates
 - Unique identification code given by the administration

BR Assign ID and site name are <u>NOT</u> identifying elements but they could be notified in the remarks field, for information



- A notice submitted to the BR is called a "Notice in Process" or "Notice" unless it has been successfully recorded as a frequency assignment 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 <u>same</u> intent as the previous "Notice"
 - t_action = identical to the t_action of the previous "Notice"
- To cancel a "Notice"
 - Submit a Withdrawal notice
 - t_action = WITHDRAW (TB5 or TB9)



- To change any data item of a recorded frequency assignment or Plan entry
 - Submit a complete new notice with the relevant changes and with the intent to MODIFY
 - t_action = MODIFY
- To suppress a recorded frequency assignment or Plan entry
 - Submit a suppression notice
 - t_action = SUPPRESS (TB5 or TB9)



Reference documents for notification

Guidelines and examples of different notice types

http://www.itu.int/ITU-R/go/terrestrial-notice/en

Preface to the BR IFIC



http://www.itu.int/ITU-R/go/terrestrial-brific/en

Radio Regulations and Regional Agreements



The main features of TerRaNotices

- Create new notices
- Generate TB notices
- Notice creation "Wizard"
- Open a notice from the database
- Validate an existing notice
- Calculate effective antenna heights
- Options



BS 01: VHF analog sound broadcasting assignment

- Prepare an electronic notice file of frequency 102.3 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 "New Notice" functionality of TerRaNotices and we will select CLM as the notifying administration.

| Transmitting antenna site name | BOGOTA |
|--|------------------------|
| Coordinates of the transmitting antenna site | 74°07'46"W - 4°36'25"N |
| Antenna directivity | Omnidirectional |
| Polarization | V |
| Vertical Effective radiated power | 30 dBW |
| Necessary bandwidth | 300 kHz |
| Maximum effective antenna height | 50 m |
| Coordination Completed | Venezuela |



BS 02: UHF digital Television broadcasting assignment

- Prepare an electronic notice file of frequency 599 MHz assigned to a TV broadcasting station based on the information below, for its recording in the Master Register.
- To prepare this notice we will use the "Wizard" functionality of TerRaNotices and we will select CLM as the notifying administration.

| Transmitting antenna site name | BUENAVISTA |
|--|--------------------------|
| Coordinates of the transmitting antenna site | 74° 08'06"W - 4° 47'26"N |
| Altitude of site above sea level | 2792 m |
| Height of the Antenna above ground level | 60 m |
| Frequency stability | NORMAL |
| TV system | 77 |
| Antenna directivity | Non Directional |
| Polarization | H |
| Effective radiated power | 40 dBW |
| Maximum Effective Antenna Height | 307 m |
| Remarks: | |
| - Modulation code (modul_code) | modul_code= 64-QAM |
| - Code rate (code_rate) | code_rate=2/3 |
| - Reception mode (rx_mode) | rx_mode =FX |
| - Class of Emission (emi_cls) | emi_cls = X7FXF |
| t_remarks = modul_code:; code_rate:; rx_mode:; emi_cls = | |
| Operating Hours | 0000 to 2400 |



BS 03: VHF analog sound broadcasting assignment

- Prepare an electronic notice file proposing an increase of the radiated power of 2 dB to a frequency assignment which is recorded in the Master Register having the unique identification code CLM-BC-B-52674-HJN73.
- You may use the facility available in TerRaNotices under the tab "File/Open a notice from the database".

BS 04: VHF analog Television broadcasting assignment

- Prepare an electronic notice file proposing a suppression of the frequency assignment on 102.5 MHz located at 75°34'00"W - 06°13'00"N which is no longer in use.
- You may use the facility available in TerRaNotices under the tab "Tools/Generate TB notices".



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

- Prepare an electronic notice file of frequency 5 040 kHz assigned to an AM broadcasting station having a circular receiving area of 200 km, for its recording in the Master Register.
- To adequately select the notice type, you may use the facility available in TerRaNotices under the tab "File/Wizard".

| Transmitting antenna site name | CALI |
|--|--------------------------|
| Coordinates of the transmitting antenna site | 76° 31'00"W - 3° 27'00"N |
| Necessary bandwidth | 10 kHz |
| Class of emission | A3E |
| Antenna gain | 0 dB |
| Power to the antenna | 30 dBW |
| Antenna directivity | Omnidirectional |



BS 06: MF Sound broadcasting station (RJ81)

Prepare an electronic notice file of frequency 840 kHz assigned to an MF broadcasting station for its recording in Part A in the RJ81 Special Section.

| Transmitting antenna site name | PASTO | |
|---|--------------------------|--|
| Coordinates of the transmitting antenna site | 77° 16'00"W - 1° 12'00"N | |
| RJ81 Plan class | A | |
| Day-time operation | | |
| Power to the antenna for day time operation | 10 kW | |
| Antenna type | A | |
| Necessary bandwidth | 10 kHz | |
| Class of emission | A3E | |
| RMS radiation (field strength) | 948.7 mV/m 1 km | |
| Electric height | 75° | |
| Transmission system | ANALOG | |
| Night-time operation | | |
| Power to the antenna for night time operation | 10 kW | |
| Antenna type | A | |
| Necessary bandwidth | 10 kHz | |
| Class of emission | A3E | |
| RMS radiation (field strength) | 978.6 mV/m 1 km | |
| Electric height | 75° | |
| Transmission system | ANALOG | |



Thank you for your attention!

