
# Terrestrial Workshop on the Preparation of Notices for the Broadcasting Service

International Telecommunication Union

# 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

# General guidelines on the notification process for the Broadcasting Service

- The notification process enables administrations to modify the data submitted to the BR at any time
  - 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

# General guidelines on the notification process for the Broadcasting Service

- 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 NOT identifying elements but they could be notified in the remarks field, for information

# General guidelines on the notification process for the Broadcasting Service

- 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”
  - 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 cancel a “Notice”
  - Submit a withdrawal notice
    - t_action = WITHDRAW (TB5 or TB9)

# General guidelines on the notification process for the Broadcasting Service

- 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



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# The main features of TerRaNotices

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

# Exercises

- **BS 01: VHF analog sound broadcasting assignment**

1/ Prepare an electronic notice file of frequency 107.2 MHz assigned to a sound broadcasting station based on the information below, for the modification of the GE84 Plan.

| | |
|---|---|
| **Transmitting antenna site name** | **CHIASSO PEDRINATE (SUI)** |
| **Coordinates of the transmitting antenna site** | **9° 0'26"E - 45° 49'47"N** |
| **Height of the Antenna above ground level** | **20 m** |
| **Antenna directivity** | **Omnidirectional** |
| **Polarization** | **V** |
| **Effective radiated power** | **30 dBW** |
| **Transmission system** | **4** |
| **Necessary bandwidth** | **300 kHz** |
| **Coordination Completed** | **Italy and Germany** |

To calculate the "Altitude of the site above sea level", the "Effective antenna heights" and the "Maximum effective antenna height" you may use the tool "Calculate effective antenna heights using SRTM3 Terrain Database" which is available in TerRaNotices (under the tab "Tools").

2/ After the successful recording of the assignment in the GE84 Plan, you have to now notify to the BR the bringing into use of this frequency assignment in accordance with the Article 11 of the RR.

# Exercises

- **BS 02: UHF analog Television broadcasting assignment**

  Prepare an electronic notice file of frequency 533MHz assigned to a TV broadcasting station based on the information below, for its recording in the Master Register.

| | |
|---|---|
| **Transmitting antenna site name** | **CERRO AZUL (EQA)** |
| **Coordinates of the transmitting antenna site** | **79° 57'06"W - 2° 10'16”S** |
| **Altitude of site above sea level** | **309 m** |
| **Height of the Antenna above ground level** | **24 m** |
| **Frequency stability** | **RELAXED** |
| **TV system** | **M** |
| **Color system** | **NTSC** |
| **Antenna directivity** | **Omnidirectional** |
| **Polarization** | **H** |
| **Effective radiated power** | **40 dBW** |
| **Vision/sound power ratio** | **10 dB** |
| **Maximum Effective Antenna Height** | **326 m** |

# Exercises

- **BS 03: VHF digital sound (T-DAB) broadcasting assignment**

  Prepare an electronic notice file of frequency 174.928 MHz assigned to a digital sound broadcasting (T-DAB) station based on the information below, for its recording in the Master Register.

| | |
|---|---|
| **Transmitting antenna site name** | **CHEMNITZ REICHENHAIN (D)** |
| **Coordinates of the transmitting antenna site** | **12° 57'53"E - 50° 47‘59"N** |

Use the TerRaNotices facility (Generate TB notices) to select the corresponding frequency assignment from the GE06D Plan and prepare a notification requesting its recording in the Master Register.

# Exercises

- **BS 04: UHF digital television (DVB-T) broadcasting assignment**

  Prepare an electronic notice file of frequency 506 MHz assigned to a digital television broadcasting (DVB-T) station based on the information below, for the modification of the GE06D Plan.

  This frequency assignment will be a frequency stemming from the allotment JORT0727.

| | |
|---|---|
| **Transmitting antenna site name** | **AMMAN2012 (JOR)** |
| **Coordinates of the transmitting antenna site** | **35° 52‘19"E - 31° 57‘37"N** |
| **Polarization** | **H** |
| **Max. effective radiated power** | **35 dBW** |
| **Ref. Plan configuration** | **RPC2** |
| **Type of Spectrum mask** | **N** |
| **Antenna directivity** | **Omnidirectional** |
| **Height of the Antenna above ground level** | **100 m** |
| **Plan Entry and frequency Assignment code** | **3C** |

# Exercises

- **BS 05: VHF digital television (DVB-T) broadcasting allotment**

  Prepare an electronic notice of frequency 177.5 MHz assigned to a digital television broadcasting (DVB-T) allotment based on the information below, for the modification of the GE06D Plan.

| | |
|---|---|
| **Allotment name** | **AHTARI (FIN)** |
| **Unique identifier of the allotment** | **AHTARI-1** |
| **SFN_ID of the allotment** | **AHTARI-1** |
| **Plan Entry** | **3** |
| **Assigned frequency** | **177.5** |
| **Polarization** | **U** |
| **Ref. Plan configuration** | **RPC2** |
| **Type of spectrum mask** | **N** |
| **Reference Network Type** | **RN1** |
| **Contour ID** | **1** |

# Exercises

- **BS 06: UHF digital television (DVB-T) broadcasting assignment**

  Prepare an electronic notice file proposing a modification to an assignment recorded in the Master Register with the unique identification code given by the Administration of FIN to the assignment **VUOLITTAJA/25**.

  You may use the facility available in TerRaNotices under the tab “File/Open a notice from the database”.

- **BS 07: UHF analogue television broadcasting assignment**

  Prepare an electronic notice file for notifying the modification of the station name of the GE06A frequency assignment notice with the unique identification code **RUS1112032871BT**.
  You may use the facility available in TerRaNotices under the tab “File/Open a notice from the database”.

- **BS 08: Request for publication in Part B in the GE 84 Special Section**

  Prepare an electronic notice file for requesting the publication in Part B of the GE 84 Special Section for either your administration or the Administration of SUI.

  You may use the facility available in TerRaNotices under the tab “Tools/Generate TB notices” to select the potential candidate notices that could be ready for a request for publication.

# Exercises

- **BS 09: AM Sound broadcasting station (in the tropical zone)**

  Prepare an electronic notice file of frequency 2 420 kHz assigned to an AM broadcasting station having a circular receiving area of 650 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** | **SAN FERNANDO (VEN)** |
| **Coordinates of the transmitting antenna site** | **67° 39'01"W - 7° 52'59"N** |
| **Necessary bandwidth** | **10 kHz** |
| **Class of emission** | **A3E** |
| **Antenna gain** | **3 dB** |
| **Power to the antenna** | **47 dBW** |
| **Antenna directivity** | **Omnidirectional** |

# Exercises

- **BS 10: UHF digital television (DVB-T2) broadcasting assignment – MIFR**

  The Administration of F has a DVB-T Plan entry (Unique identifier of the assignment in the plan: **F__33002-55**) that has been implemented as a station using DVB-T2.

  Prepare an electronic notice file of frequency 746 MHz assigned to this digital television broadcasting (DVB-T2) station for its recording in the Master Register.

| | |
|---|---|
| **Unique identifier of the assignment** | **NTFD_RR_F__33002-55** |
| **Transmitting antenna Site Name** | **BORDEAUX (F)** |
| **Coordinates of the transmitting antenna site** | **00° 30‘16"E - 44° 49‘14"N** |
| **Max. effective radiated power** | **45 dBW** |
| **Bandwidth** | **8000 kHz** |
| **Class of Emission** | **X7FXF** |
| **Polarization** | **H** |
| **Antenna Directivity** | **ND** |
| **Maximum power density** | **-25.05 dBW/Hz** |
| **Height of Antenna above ground level** | **235 m** |
| **Plan Entry** | **1** |
| **Assignment Code** | **S** |

*(Hint: according to section 5.1.3 of the GE06 Agreement, this should be notified as a GB1 notice)*

To calculate the “Altitude of the site above sea level”, the “Effective antenna heights” and the “Maximum effective antenna height” you may use the tool “Calculate effective antenna heights using SRTM3 Terrain Database” which is available in TerRaNotices (under the tab “Tools”).

# Any questions

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