

Exercises on preparing frequency assignment notices to be notified to the BR (RRS-17-Africa)

Broadcasting Services (BS)

Introduction

The goal of these exercises is to familiarize with the most common notice types applicable for the Broadcasting services. The technical and administrative characteristics required by these notice types are based on Appendix 4 to the Radio Regulations, and on the relevant Annexes of Regional Agreements for those proposing Plan modifications.

The list of all available notice types is given in the Preface to the BR IFIC (see Chapter III, Section 2), which is a reference document associated with the BR IFIC containing the explanation of abbreviations, symbols and remarks used in the BR IFIC as well as for notification (for example, Transmission code, Class of station, Polarization, etc.). The Preface is available in the BR IFIC DVD and on the ITU website at http://www.itu.int/en/ITU-R/terrestrial/brific/BRIFIC/Preface/PREFACE_EN.pdf

In addition, the Bureau provides guidelines and examples of notice types on the ITU website at <http://www.itu.int/en/ITU-R/terrestrial/tpr/Pages/Notification.aspx>

A broadcasting frequency assignment is uniquely identified by:

- the assigned frequency (t_freq_assgn) and the geographical coordinates (t_long and t_lat)

or by:

- the unique identification code of the assignment (t_adm_ref_id) given by the administration.

BS 01: Modification of the GE84 Plan

Prepare an electronic notice for Addition of frequency **106 MHz** assigned to a sound broadcasting station based on the information below, for the modification of the **GE84 Plan**.

To prepare this notice we will use the “Wizard” functionality of TerRaNotices and we will select the Administration of **Senegal (SEN)** as the notifying administration.

Transmitting antenna site name	GOUDOMP
Coordinates of the transmitting antenna site	15°52'37"W - 12°34'06"N
Maximum Effective Antenna	67 m
Transmission system	4
Polarization	Vertical
Effective radiated power	24 dBW
Necessary bandwidth	250 kHz
Height of the Antenna above ground level	45 m
Effective antenna height (m) at 36 different azimuths in 10 degrees interval	To be calculated using TerRaNotices facility

BS 02: Request for publication in Part B of the GE84 Special Section

Prepare an electronic notice file for requesting publication of a modification in **Part B** of the **GE84 Special Section** for the following notice with notifying administration **Ethiopia (ETH)**.

Coordinates of the transmitting antenna site	39°08'00"E - 7°57'00"N
Assigned Frequency	93 MHz
Unique identification code of the assignment	OR32

To prepare this notice we will use the “Generate TB notices” functionality of TerRaNotices

BS 03: Request to register an assignment in the Master Register with all technical characteristics as recorded in the plan for a station in operation.

Prepare an electronic notice file to request a frequency assignment to record in the **Master Register** with the same technical characteristics as it is recorded in the **GE84 Plan**, having the unique identification code **NCA/FM0200** for the Administration of **Ghana (GHA)**

BS 04: Modification of the GE06D Plan (Digital Sound T-DAB)

Prepare an electronic notice of frequency **208.064 MHz** assigned to a digital sound broadcasting station based on the information below, for the modification of the **GE06D Plan**.

To prepare this notice we will use “Wizard” functionality of TerRaNotices for the Administration of Mali (**MLI**).

Unique identification code of the assignment	MLI-X-0069-ex
Transmitting antenna site name	NARA
Coordinates of the transmitting antenna site	7°17'00"W - 15°10'00"N
Site Altitude	263 m
Polarization	Horizontal
Effective radiated power	33 dBW
Antenna Directivity	Non Directional
Plan Entry	1
Assignment code	Standalone
Reference planning Configuration	RPC4
Publication request	TRUE/Procedure 4.1.2.5
Spectrum Mask	1
Height of the Antenna above ground level	100 m
Maximum effective antenna height	300 m
Effective antenna height (m) at 36 different azimuths in 10 degrees interval	To be calculated using TerRaNotices facility

BS 05: Linked Assignments to Modify the GE06D Plan (Digital Television (DVB-T))

SFN composed Linked assignment(s): Please note that the first two 2L assignments of each network shall be notified simultaneously.

Prepare electronic notices to notify digital television broadcasting for SFN composed, 2 Linked assignments. The assigned frequency **482 MHz** with the information here below, for the modification of the **GE06D Plan**.

To prepare this notice we will use “New File” functionality of TerRaNotices for the Administration of **South Africa (AFS)**.

Notice 1

Unique identification code of the assignment	AFSDTT0205-ex
Transmitting antenna site name	DONNYBROOK
Coordinates of the transmitting antenna site	029°51'19" E 29°54'57" S
Polarization	Horizontal
Effective radiated power	40 dBW
Antenna Directivity	Non Directional
Plan Entry	2
Assignment code	Linked

Reference planning Configuration	RPC1
SFN Identifier	KZ1
Publication request	TRUE/Procedure 4.1.2.5
Spectrum Mask	Non-critical
Height of the Antenna above ground level	80 m
Site Altitude	1581 m
Maximum effective antenna height	To be calculated using TerRaNotices facility
Effective antenna height (m) at 36 different azimuths in 10 degrees interval	To be calculated using TerRaNotices facility

Notice 2

Unique identification code of the assignment	AFSDTT0205-ex2
Transmitting antenna site name	DONNYBROOK
Coordinates of the transmitting antenna site	029°51'19" E 29°54'58" S
Polarization	Horizontal
Effective radiated power	40 dBW
Antenna Directivity	Non Directional
Plan Entry	2
Assignment code	Linked
Reference planning Configuration	RPC1
SFN Identifier	KZ1
Publication request	TRUE/Procedure 4.1.2.5
Spectrum Mask	Non-critical
Height of the Antenna above ground level	80 m
Site Altitude	1581 m
Maximum effective antenna height	To be calculated using TerRaNotices facility
Effective antenna height (m) at 36 different azimuths in 10 degrees interval	To be calculated using TerRaNotices facility

BS 06: LF/MF sound broadcasting assignment

Prepare an electronic notice of frequency **999 kHz** assigned to a MF sound broadcasting station based on the information below, for the modification of the **GE75 Plan**.

To prepare this notice we will use the “New File” functionality of TerRaNotices and we will select the administration of **Uganda (UGA)** as the notifying administration.

Transmitting antenna site name	KYERIBA
Coordinates of the transmitting antenna site	29°55'01"E 01°15'01"N
Ground conductivity	3
Day-time operation	
Height of the Antenna above ground level	75 m
Antenna type	A
Necessary bandwidth	9 kHz
Class of emission	A3E
Transmission system	Analog
Adjacent channel protection ratio	5
Power to antenna	5 kW
Maximum Effective monopole radiated power	7.38 dB (kW)
Night-time operation	
Height of the Antenna above ground level	75 m
Antenna type	A
Necessary bandwidth	9 kHz
Class of emission	A3E
Transmission system	Analog
Adjacent channel protection ratio	5
Power to antenna	5 kW
Maximum Effective monopole radiated power	7.38 dB (kW)

BS 07: Request to suppress a frequency assignment

Prepare an electronic notice file to notify the suppression of 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 the Administration of **Nigeria (NIG)** as the notifying administration.

Coordinates of the transmitting antenna site	03°31'00'E 06°42'00''N
Assigned Frequency	96.0 MHz

BS 08: Validating and identifying errors of a frequency assignment notice.

Validate and identify the errors of the electronic notice file “BS08 NoticeswithErrors.txt”.

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



BS08 NoticeswithErrors.txt