Exercises on preparing frequency assignment notices to be notified to the BR (RRS-15 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 <u>http://www.itu.int/en/ITU-R/terrestrial/tpr/Pages/Notification.aspx</u>

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 of frequency **98.5 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 **Niger (NGR)** as the notifying administration.

Transmitting antenna site name	NIAMEY
Coordinates of the transmitting antenna site	2°10'00"E - 13°30'00"N
Height of the Antenna above ground level	50 m
Transmission system	4
Polarization	Vertical
Effective radiated power	30 dBW
Necessary bandwidth	300 kHz

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.

Coordinates of the transmitting antenna site	2°15'00"E - 13°39'00"N
Assigned Frequency	104 MHz

To prepare this notice we will use the "Generate TB notices" functionality of TerRaNotices and we will select the Administration of **Niger (NGR)** as the notifying administration.

BS 03: Modification of the GE06D Plan

Prepare an electronic notice of frequency **642 MHz** assigned to a digital television 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 Nigeria (NIG).

Unique identification code of the assignment	NIG_GT1_1S_001
Transmitting antenna site name	IBOKUN
Coordinates of the transmitting antenna site	004°41'00"E - 07°57'05"N
Polarization	Horizontal
Effective radiated power	33 dBW
Antenna Directivity	Non Directional
Plan Entry	1
Assignment code	Standalone
Reference planning Configuration	RPC1
Publication request	TRUE/Procedure 4.1.2.5
Spectrum Mask	Non-critical
Height of the Antenna above ground level	200 m
Site Altitude	To be calculated using
	TerRaNotices facility

Maximum effective antenna height	To be calculated using
	TerRaNotices facility
Effective antenna height (m) at 36 different	To be calculated using
azimuths in 10 degrees interval	TerRaNotices facility

BS 04: Modification of the GE06D Plan

Assignment stemming (converted) from an allotment:

Prepare an electronic notice of frequency **474 MHz** assigned to a digital television broadcasting station stemming from an allotment 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 **Tanzania TZA**.

Unique identification code of the assignment	TZA_GT1_3C_001
Transmitting antenna site name	KIGOMA
Coordinates of the transmitting antenna site	029°40'00"E - 04°50'05"S
Polarization	Vertical
Effective radiated power	33 dBW
Antenna Directivity	Non Directional
Plan Entry	3
Assignment code	Converted
Reference planning Configuration	RPC1
SFN Identifier	TZ20024KGM_U5
Associated allotment SFN Identifier	TZ20024KGM_U5
Associated allotment Unique Identification code	TZ20024KGM_U5
Publication request	TRUE/Procedure 4.1.2.5
Spectrum Mask	Non-critical
Height of the Antenna above ground level	80 m
Site Altitude	To be calculated using
	TerRaNotices facility
Maximum effective antenna height	To be calculated using
	TerRaNotices facility
Effective antenna height (m) at 36 different	To be calculated using
azimuths in 10 degrees interval	TerRaNotices facility

BS 05: Validating and identifying errors of a frequency assignment notice.

Validate and identify the errors of the electronic notice file "BS05_T01_with errors.txt".

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

