Exercises on preparing frequency assignment notices to be notified to the BR (WRS-26)

Fixed and Mobile Service (FXM)

Example of Land mobile service (point-to-area/area-to-point)

1/ Prepare an electronic notice file of frequency **1 833 MHz** assigned to a **base station** having a circular receiving area of a **radius of 10 km** for the Administration of **Uzbekistan (UZB)**, for its recording in the **Master Register**.

To prepare these notices we will use "New File" functionality of TerRaNotices.

Item No.	Parameter	Value
	Notice Type	T12
B	Notifying Administration	UZB
ID1	Unique Identification Code given by ADM (opt)	FB-01
D	Provision	RR11.2
	Fragment (*Automatically filled in the notice*)	NTFD_RR
	Action	ADD
1A	Assigned Frequency	1 833 MHz
7AB	Bandwidth	18 MHz
7A	Class of emission	D7W--
6A	Class of station	FB
6B	Nature of service	"IMT station in the mobile service" – Preface Chapter IV, Section 7 ➔IM
2C	Date of bringing into use	Max. 3 months in advance
4A	Transmitting antenna site name	TASH
4C	Location of transmitting station	69°19'22"E - 41°17'56"N
12B	Address code	Preface Chapter IV, Section 3 ➔A
Antenna details of the Land station		
8	Type of the power	Y
8B	Effective radiated power	30 dBW, E
9G	Maximum Gain relative to a half wave dipole	20 dB
9	Antenna directivity	Omnidirectional
Area where the mobile station is located		
	Type of geographical area of the location of the receiving area	CIRCLE
5E	Coordinates of the receiving station	69°19'22"E - 41°17'56"N
5F	Radius of the circular receiving area	10 km

2/Prepare an electronic notice file of frequency **1738 MHz** assigned to the associated receiving **land mobile station** (handset) of the above base station, for its recording in the **Master Register**.

To prepare these notices we will use “Insert new notice” functionality. It enables to have more than one notice in a file.

Item No.	Parameter	Value
	Notice Type	T13
B	Notifying Administration	UZB
ID1	Unique Identification Code given by ADM (opt)	ML-01
D	Provision	RR11.9
	Fragment (*Automatically filled in the notice*)	NTFD_RR
	Action	ADD
1A	Assigned Frequency	1 738 MHz
7AB	Bandwidth	6 MHz
7A	Class of emission	D7W--
6A	Class of station	ML
5A	Name of the location of the receiving station	TASH
6B	Nature of service	“IMT station in the mobile service”- Preface Chapter IV, Section 7 ➔IM
2C	Date of bringing into use	Max. 3 months in advance
5C	Coordinates of the receiving station	69°19'22"E - 41°17'56"N
12B	Address code	Preface Chapter IV, Section 3 ➔A
Details of mobile transmitting antenna s		
8	Type of the power	Y
8B	Effective radiated power	13 dBW, E
Area where the mobile transmitting station is located		
	Type of geographical area of the location of the receiving area	CIRCLE
4CC	Center of transmitting area	69°19'22"E - 41°17'56"N
4D	Radius	10 km

FXM 01: Fixed service: (Point-to-Multipoint) in shared bands

Prepare an electronic notice of frequency **6 660 MHz**, which falls within the bands shared on equal basis with the space services, used for the operation of two **fixed** links based on the information below, for its recording in the **Master Register**. The two links are originating from the same transmitting station associated with two antennas.

To prepare this notice we will use the "New File" functionality of TerRaNotices and the functionality to add many antennas to a single notice. We will select the administration of **France (F)** as the notifying administration.

As the assigned frequency falls within the bands shared on equal basis with space services, the following fields are mandatory: **Altitude of site above sea level, Height of Antenna above ground level, Elevation angle and Polarization**.

Item No.	Parameter	Value
	Notice Type	T11
B	Notifying Administration	F
ID1	Unique Identification Code given by ADM (opt)	FX-01
D	Provision	RR11.2
	Fragment (*Automatically filled in the notice*)	NTFD_RR
	Action	ADD
1A	Assigned Frequency	6 660 MHz
7AB	Necessary bandwidth code	40 MHz ➔ 40M0
7A	Class of Emission	D7W--
6A	Class of Station	FX
6B	Nature of service	"Exclusively to correspondence of a private agency" - Preface Chapter IV, Section 7 ➔CV
2C	Date of bringing into use	Max. 3 years in advance
4A	Transmitting antenna site name	BOURNAZEL
4B	Geographical area	F
4C	Coordinates of the transmitting antenna site	2°19'8"E - 44°27'54"N
9EA	Altitude of site above sea level	660 m
12B	Address code	Preface Chapter IV, Section 3 ➔ A
1st transmitting antenna details		
8	Type of the power according to RR 1.156 – 1.159	Y
8AA	Power delivered to the antenna	0 dBW
8B	Equivalent isotropically radiated power	33 dBW I
9G	Maximum antenna gain relative to isotropic antenna	42 dB, I
9B	Elevation angle	0°
9D	Polarization	Horizontal
9E	Height of the Antenna above ground level	22 m
9	Antenna directivity	Directional
9C	Beamwidth	1.3°
9A	Azimuth of maximum radiation	311°
Details of receiving site details of the 1st Antenna		
5A	Name of the location of the receiving station	LE BOURG
5C	Coordinates of the receiving station	1°55'31"E - 44°42'39"N
5B	Geographical area where the receiving station is located	F
2nd transmitting antenna details		
8	Type of the power according to RR 1.156 – 1.159	Y
8AA	Power delivered to the antenna	0 dBW
8B	Equivalent isotropically radiated power	32 dBW I
9G	Maximum antenna gain relative to isotropic antenna	39 dB, I
9B	Elevation angle	0°
9D	Polarization	Horizontal
9E	Height of the Antenna above ground level	33
9	Antenna directivity	Directional
9C	Beamwidth	1.3°
9A	Azimuth of maximum radiation	95°
Details of receiving site of the 2nd Antenna		
5A	Name of the location of the receiving station	SEBAZAC
5C	Coordinates of the receiving station	2°40'36"E - 44°26'30"N
5B	Geographical area where the receiving station is located	F

FXM 02: Typical transmitting station

Prepare an electronic notice, for the recording in the Master Register of frequency **930.1 MHz** used by **several base stations** in your country using the information below.

Frequency assignments having the same technical characteristics operating within a given area can be notified in a single notice as a typical transmitting station under (RR.11.17). This provision does not apply to all service types (see RR 11.18-11.21B).

To prepare this notice we will use the "Wizard" functionality of TerRaNotices.

Item No.	Parameter	Value
ID1	Unique Identification Code given by ADM	FB_T14
7AB	Necessary Bandwidth	20 MHz
7A	Class of emission	G7W--
6B	Nature of service	"Public correspondence" - Preface Chapter IV, Section 7 ➔CP
2C	Date of bringing into use	Max. 3 months in advance
4E	Transmitting geographical area	Enter the country code to notify
8	Type of power	Y
8A	Power to the antenna	16 dBW
8B	Radiated Power	32 dBW E
9G	Maximum Gain relative to a half wave dipole	16 dB, D
12B	Address code	Preface Chapter IV, Section 3 ➔A

FXM 03: Suppress a frequency assignment

Prepare an electronic notice to **SUPPRESS** a frequency assignment which is already recorded in the **Master register**. For this exercise, we will select the Administration of **South Africa (AFS)** as the notifying administration and the target is **BR ID 100036720.**
To prepare this notice we will use "Generate Suppression/Withdrawal notices" functionality of TerRaNotices.

FXM 04: Modify a frequency assignment

Prepare an electronic notice to modify a frequency assignment which is already recorded in the **Master register**.

For this exercise, we will select the Administration of **Colombia (CLM)** as the notifying administration, and Unique identification code given by Administration **125398** to modify the assigned frequency **6.88 GHz** to **6.92 GHz.**

To prepare this notice we will use "Open a Notice from the database" functionality of TerRaNotices.

FXM 05: Maritime mobile Service (point-to-area)

Prepare an electronic notice, for the recording in the Master Register of frequency **161.725 MHz** assigned to a **coast station** open **to public correspondence** situated in **Finland (FIN)** having a circular receiving area of **a radius of 50 km**.
For coast stations, "Call sign" or "Station identification" is mandatory. Station identification can be composed of any printable character (max. 20). However, if Call sign is notified then it shall be in conformity with the provisions of Article 19 and Appendix 42.
To prepare this notice we will use "**New File**" functionality of TerRaNotices.

Item No.	Parameter	Value
7AB	Bandwidth	16 kHz
7A	Class of emission	G3E--
6A	Class of station	FC
6B	Nature of service	"Station open to public correspondence" ➔CP
2C	Date of bringing into use	Max. 3 months in advance
3A2	Station identification	KOTKA RADIO
4A	Transmitting antenna site name	KOTKA
4C	Coordinates of the transmitting antenna site	026°52'32"E 60°29'21"N
12B	Address code	Preface Chapter IV, Section 3
	Transmitting antenna details	
8	Type of power	Y
8B	Effective radiated power	16 dBW, E
9	Antenna directivity	Omnidirectional
	Area where the receiving station is located	
	Type of geographical area of the location of the receiving area	CIRCLE
5E	Coordinates of the receiving station	026°52'32"E 60°29'21"N
5F	Radius of the circular receiving area	50 km

FXM_Val: Validating and identifying errors of a Frequency assignment notice.

It is possible to validate the notice while submitting via WISAT. Access to this web site is reserved for register users at https://www.itu.int/en/ITU-R/terrestrial/tpr/Pages/Submission.aspx or to use the eValidation tool accessible to all that have an ITU login at https://www.itu.int/ITU-R/eTerrestrial/Account/Login.

The file to validate is "FXM_Val.txt"