Notification of Frequency Assignment for
Recording in the Master Register
and
Modification of Regional Plans

Ms. Sujiva Pinnagoda
Terrestrial Services Department
Radiocommunication Bureau

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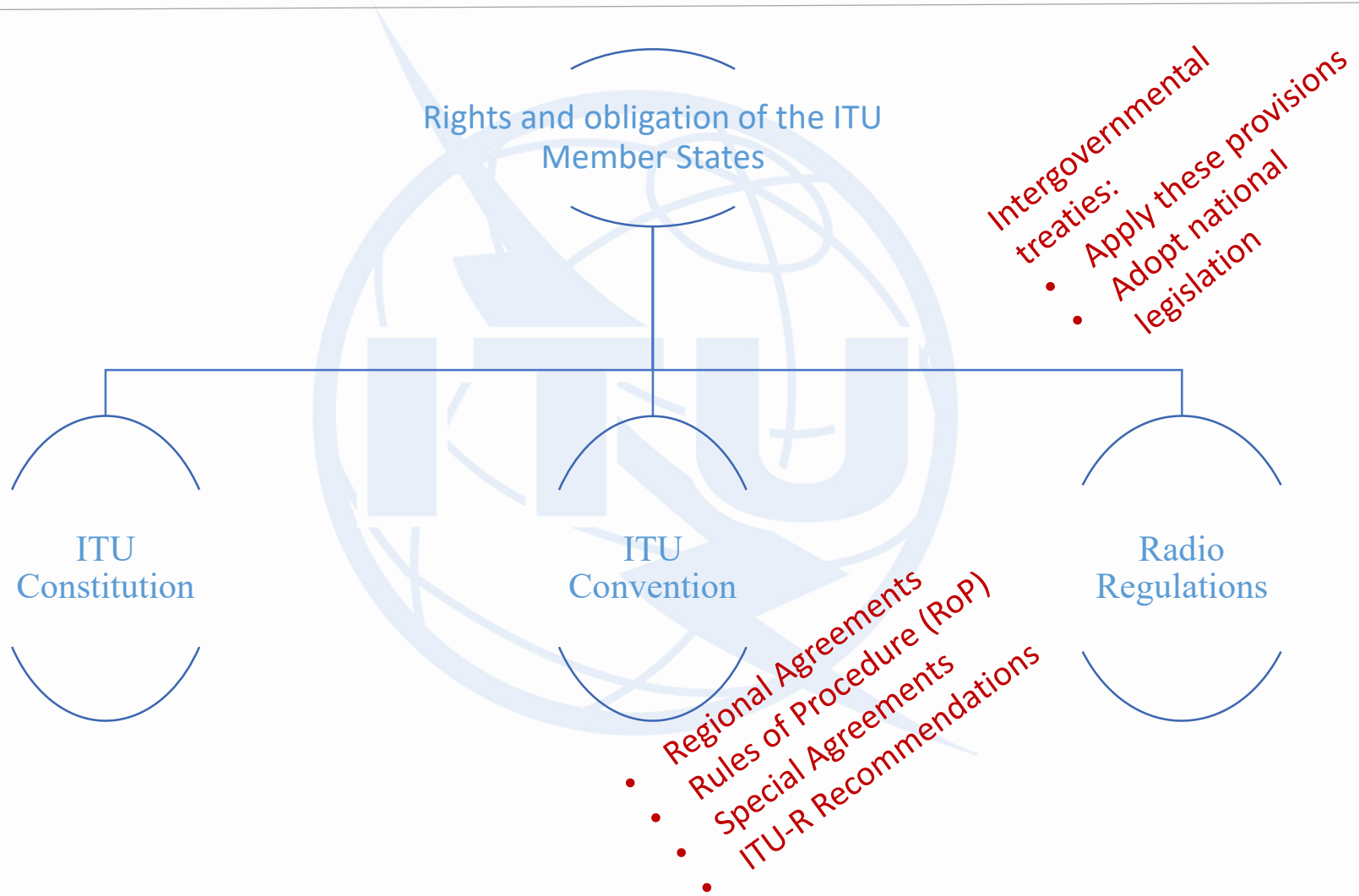International treaty ratified by all Member States

Obligation

Notification?

Other administration must take this assignment in to account when creating a new or when modifying its existing assignments

Claim for international recognition

Rights

Regulatory Aspects

Rights and obligation of the ITU
Member States

Intergovernmental
treaties:
- Apply these provisions
- Adopt national
  legislation

ITU
Constitution

ITU
Convention

Radio
Regulations

- Regional Agreements
- Rules of Procedure (RoP)
- Special Agreements
- ITU-R Recommendations

Radio Regulations (RR)

Principal instrument for international radio regulatory arrangement

Based on the use of two main concepts

Frequency block allocations:
➢ Table of Frequency Allocations in Article 5;
  ❑ Allocated to mutually compatible services

Obligatory or Voluntary regulatory procedures
➢ Coordination, notification and recording

➢Revised during WRCs by the ITU Member States – every 3 – 4 years
➢WRC-19 will be held in Sharm el-Sheikh, 28 – 22 November 2019

Table of frequency allocations – Article 5

- ➢ **The Regulatory frequency band 8.3 kHz - 1 000 GHz;**
- ➢ **It is segmented into smaller bands and allocated to more than 40 radiocommunication services;**
- ➢ **Radio services are identified as Primary and Secondary services:**
  - ❑ Secondary services shall not cause harmful interference to - nor claim protection from, primary services;
    - ❖ *Primary services are in capital letters (i.e. FIXED) and secondary services are in lower case (i.e. Mobile);*
- ➢ **Footnotes are used to further specify how certain frequencies are to be assigned or used.**
- ➢ **It is organized into three Regions of the world**
  - ➢ supplemented by plans for some bands and services
  - ➢ and/or by mandatory coordination procedures.

Frequency Plans

➢ **It is to ensure equitable access to the radio spectrum to member states:**

- Frequency planning is done during regional planning conferences. At the end of these conferences, participating administrations obtain frequencies with given technical characteristics. These frequencies are only planned to be used;

- To obtain international recognition, administration must notify to the Bureau to be recorded in the Master Register.

Steps to apply the RR

➢ **The moment a frequency is selected to be put in to operation in a given service. Start by checking**

- table of allocation (Article 5 of the Radio Regulation)
- is the frequency governed by a regional or a world plan – the frequency must already be in the Plan before it could be put into operation;
- Is there mandatory or voluntary coordination;

    Administrations must apply theses steps in order to be in conformity with the different provisions of the Radio Regulations;

    It safeguards administration's right by claiming for International recognition.

Notification Article 11 of RR

➤ **Notification of frequency assignments to the Radiocommunication Bureau is the way to safeguard the Rights of administrations**

- Informing neighboring countries that a station is in use;
- In compliance with the Radio Regulation;
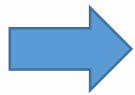
Other administration must take this assignment in to account when creating a new or when modifying its existing assignments

No. 8.3

International recognition

What to notify?

Assignments shall be notified if

capable of causing harmful interference	used for international radiocommunication	subject to a world or regional frequency plan
subject to the coordination procedure of Article 9	international recognition is desired	non-conforming recorded for information only

⚠️ **Shall not be notified (Nos. 11.13 - 11.14): assignments to amateur service, to ship stations and to mobile stations of other services and common frequencies**

What information?

➢ **Characteristics of stations in Appendix 4**

No. 11.15

➢ **Appendix 4**
  - Annex 1: Characteristics of stations in the terrestrial services

➢ **Preface to the BR International Frequency Information Circular (BR IFIC)**
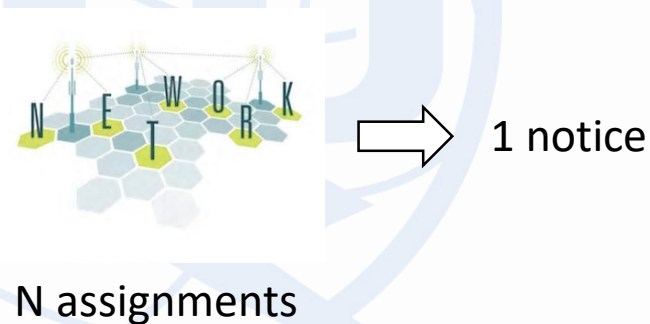 - Symbols and codes

How to notify?

Individual notice of each frequency assignment

1 assignment ➡ 1 notice
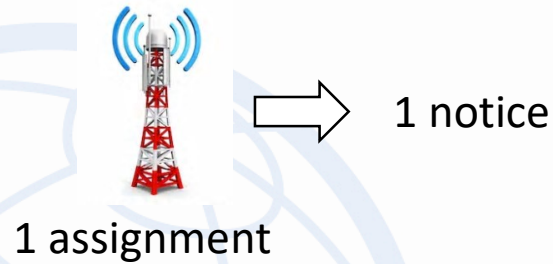
Assignments to a number of stations may be notified as a typical station

N assignments ➡ 1 notice

No. 11.17

⚠ **Individual notices for broadcasting stations, terrestrial stations within the coordination area of an earth station, etc.**

Notice types

LFMF
sound broadcasting in low and medium frequency bands
T03 (and T04)

FMTV
sound and television broadcasting in VHF/UHF frequency bands
T01, T02, G02, GS1, GT1, GS2, GT2, GB1

FXM
fixed, mobile and other terrestrial services
**T11, T12, T13, T14, T15, T16, T17
G11, G12, G13, G14**

Electronic Information only

The information must be provided electronically using a specific format

```
<HEAD>
t_adm=FIN
</HEAD>
```

```
<NOTICE>
 t_
  t_   <NOTICE>
  t_    t_   <NOTICE>
  t_    t_    t_notice_type=T12
  t_    t_    t_fragment=NTFD_RR
  t_    t_    t_prov=RR11.2
  t_    t_    t_action=ADD
  t_    t_    t_adm_ref_id=MA484252_FB_451925
  t_    t_    t_freq_assgn=451.925
  t_    t_    t_d_inuse=2019-04-02
  t_    t_    t_site_name=INKOO-JODDBÖLE
  t_    t_    t_ctry=FIN
  t_    t_    t_long=+0235446
  t_    t_    t_lat=+600106
  t_    t_    t_stn_cls=FB
  t_    t_    t_nat_srv=CV
  t_    t_    t_emi_cls=F3E
  t_    t_    t_bdwdth_cde=16k0
  t_    t_    t_op_hh_fr=00:00
  t_    t_    t_op_hh_to=24:00
  t_    t_    t_site_alt=13
        t_    t_addr_code=A
```

```
<ANTENNA>
 t_
 t_   <ANTENNA>
 t_    t_   <ANTENNA>
 t_    t_    t_pwr_xyz=Z
 t_    t_    t_pwr_ant=7
 <     t_    t_pwr_dbw=4.8
 t_    t_    t_pwr_eiv=E
 <R    t_    t_ant_dir=ND
 t_    t_    <RX_STATION>
 t_    t_    t_geo_type=CIRCLE
 t_    t_    t_long=+0185956
 <     t_    t_lat=+465959
 <     t_    t_radius=300
 </    </    </RX_STATION>
              </ANTENNA>
              </NOTICE>
```

All submission shall be in electronic format only

```
<TAIL>
t_num_notices=3
</TAIL>
```

See Guidelines on https://www.itu.int/en/ITU-R/terrestrial/tpr/Pages/Notification.aspx

Creation of electronic notices - TerRaNotices

Online validation

- **Complete check of all data elements**

- **Batch mode processing**

- **Validation report to the user**

- **Strongly recommended before submitting**

- **Available for all TIES Services users free of charge at:**
http://www.itu.int/ITU-R/terrestrial/OnlineValidation/Login.aspx

WISFAT (Submission of electronic notices)

- **Secured web Interface**
  - WISFAT (Web Interface for Submission of Frequency Assignments for Terrestrial services)
  - Immediate acknowledgement report to the notifier

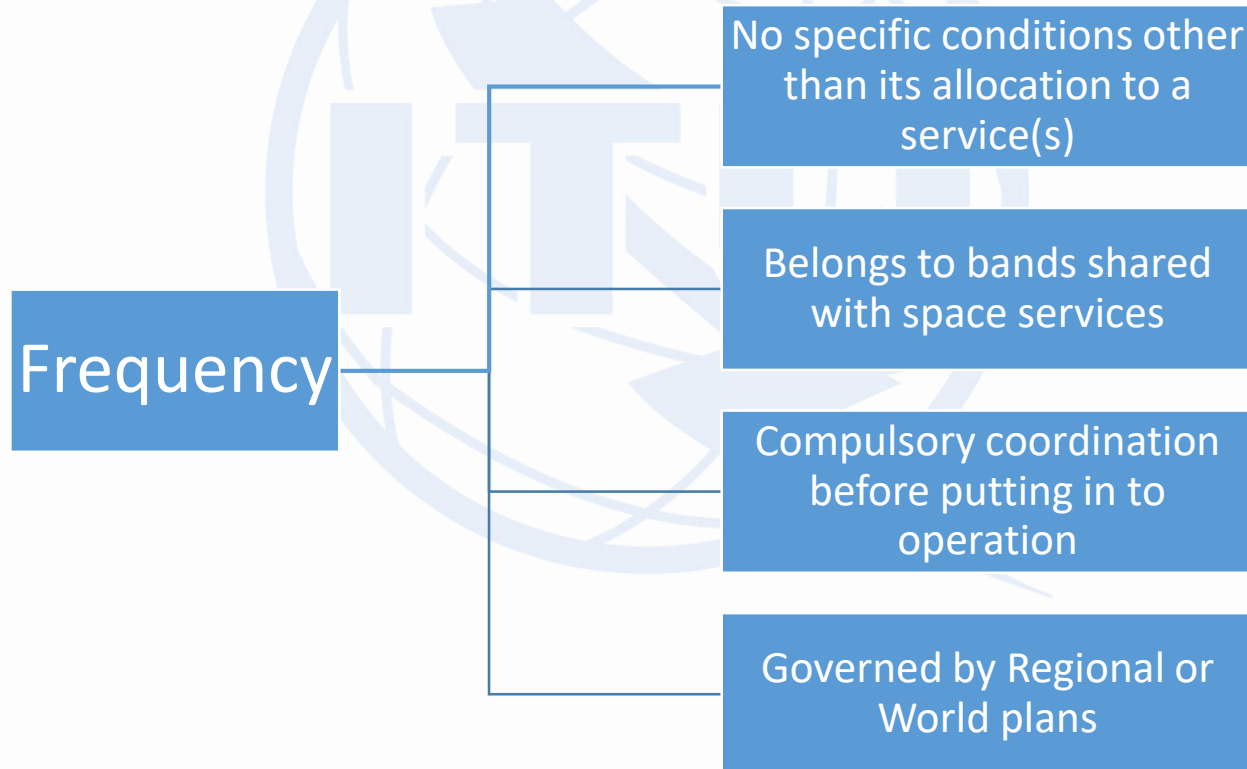- **Access restricted to registered notifiers**

  Official request from the Administration:
  - Name, position, service e-mail, ITU Username (TIES services)
  - As many as needed
  - Administration's responsibility to keep list of notifiers up to date
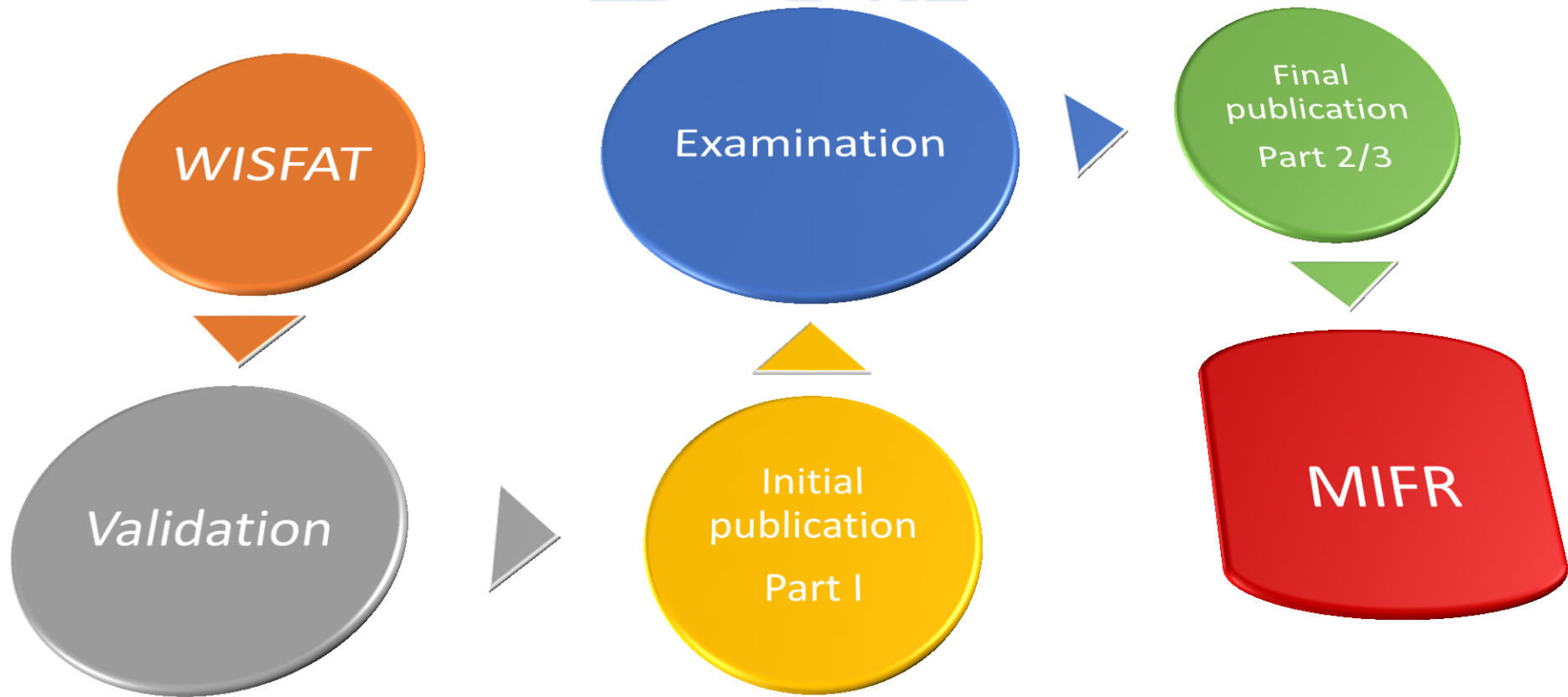 - Access to WISFAT at:

  http://www.itu.int/en/ITU-R/terrestrial/tpr/Pages/Submission.aspx

> **After validation the processing depends on the frequency**

Frequency

- No specific conditions other than its allocation to a service(s)
- Belongs to bands shared with space services
- Compulsory coordination before putting in to operation
- Governed by Regional or World plans

BR Processing 2/2

Final remarks

- **Notification has two aspects (rights and obligations)**

  - Obligation to apply the provisions of the RR (treaty)
  - To claim for international recognition and rights

- **The MIFR is the main instrument for frequency management**

- **Published every two weeks in BR IFIC**

- **Should be consulted before assigning frequencies**

- **Value of the MIFR depends on the data submitted**

- **Notify to preserve the rights of your Administration!**

Thank you

ITU – Radiocommunication Bureau
Questions to brmail@itu.int or brtpr@itu.int

https://www.itu.int/en/ITU-R/terrestrial/workshops/SMS4DC/Pages/default.aspx