

International Telecommunication Union



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Organised by:



Regulatory Aspects (Terrestrial Radiocommunication Services)

ITU – Radiocommunication Bureau



Rights and obligations

- The rights and obligations of Members ITU in the domain of international frequency management are incorporated in the Constitution (CS) and Convention (CV) of the ITU and in the Radio Regulations (RR).
- CS , CV and RR are intergovernmental treaties ratified by governments.
- Governments shall apply the provisions of the CS , CV and RR in their countries.

Radio Regulations



The RR, as a principal instrument of the international radio regulatory arrangement, are based on the use of two main concepts:

- Frequency block allocations that are intended for use by defined radio services (Table of Frequency Allocations).
- Voluntary or obligatory regulatory procedures (for coordination, notification and recording).
- Updated by the World Radiocommunication Conferences every 3/4 years.

Table of Frequency Allocations

- Regulated frequency band: 8.3 kHz - 1 000 GHz.
- More than 40 radiocommunication services.
- Primary/secondary services (secondary shall not cause harmful interference to primary or claim protection from primary).
- Footnotes are used to further specify how the frequencies are to be assigned or used.
- The Table is organized into three Regions of the world and is supplemented by plans for some bands and services and/or by mandatory coordination procedures.

Types of allocation

- Exclusive allocations, for broad international use of equipment.
- Shared frequency allocations, to maximize the usage of the spectrum when many radiocommunication services can use the same band.
- Alternative allocations, case where a band is indicated in a footnote of the Table as “allocated” to a service different from the allocation indicated in the Table.
- Additional allocations, case where a band is indicated in a footnote of the Table as “also allocated” to a service in an area smaller than a Region, or in a particular country.

Frequency plans

- To preserve rights (equitable access)
- Allotment/assignment
- Worldwide : RR AP 25, 26, 27
- Regional/subregional
 - BC/BT: ST61, GE84, GE89, GE06
 - LF/MF BC: GE75, RJ81, RJ88
 - Maritime/aeronautical: GE85M, GE85N
- Broadcasting RR Article 12 (Seasonal planning of the HF bands allocated to the broadcasting service between 5 900 kHz and 26 100 kHz)
- Outside ITU: ICAO, IALA

Coordination

- Bilateral/multilateral process for implementation of new systems while avoiding harmful interference with the other existing and planned assignments.
- Identification of potentially affected administrations
- Application of standardized steps:
 - Exchange of information (Appendix 4/Agreement)
 - Comments within a prescribed period
 - Publication of results of coordination
- Coordination under Plan modification procedure
- Coordination under Article 9 (RR9.16, RR9.18, RR9.19 and RR9.21)

Notification under Article 11 (1/4)

- Objective of notifying frequency assignments under Article 11 of the RR is to update the Master International Frequency Register (MIFR).
- Why to notify? Because the Member States of ITU are bound to apply the provisions of the Radio Regulations
- Normally prior to bringing into use.

Notification under Article 11 (2/4)

Frequency assignments to be notified to the BR

- capable of causing harmful interference to any service of another administration
- used for international radiocommunication
- subject to a world or regional frequency plan
- subject to the coordination procedure of Article 9
- to obtain international recognition
- for information only (RR4.4)
- See provisions Nos. 11.3 to 11.8 of the RR

Notification under Article 11 (3/4)

When to notify?

- Not earlier than three years before the assignment is brought into use, for terrestrial stations involved in coordination with a satellite network and for high altitude platform stations operating as a base station to provide IMT.
- Not earlier than five years before the assignment is brought into use, for assignments to high altitude platform stations in the fixed service.
- Note earlier than three months before the assignment is brought into use, for all other terrestrial stations.
- See provisions Nos. 11.24 to 11.26A of the RR.

Notification under Article 11 (4/4)

How to notify?

- Individual (one notice per assignment)
- Generic (Typical stations) – see RR11.17
- Transmitting mobile station – see RR11.9
- Frequency assignment notices in electronic format
- To be submitted by Authorised notifiers to WISFAT

Publication in Part I of the BR IFIC

- Validation of the notices by the BR (incomplete notices are returned to the notifying administrations in application of RR11.27).
- Complete notices are published in Part I of the BR IFIC within two months of its receipt in accordance with RR11.28.
- This publication in Part I is an acknowledgment of receipt of the information submitted by the administrations.

Examination of Notices (1/2)

- Article 11 Section II (RR11.27 to RR11.49)
- In order of their date of receipt
- Regulatory examination RR11.31
- If findings are unfavourable, the examination stops.
- If findings are unfavourable, the examination continues.

Examination of Notices (2/2)

- RR11.32: Conformity with procedures relating to coordination with other administrations.
- RR11.33: Probability of harmful interference that may be caused to or by other assignments recorded with a favourable finding.
- RR11.34: Conformity with a regional or world allotment / assignment Plan.

Publication in Part II of the BR IFIC

- Part II contains notifications and associated findings adopted concerning frequency assignments recorded in the MIFR.
- Recorded in the MIFR = Right to international recognition (see RR8.3)
- RR11.47: Confirm to BR the bringing into use of assignments notified in advance.

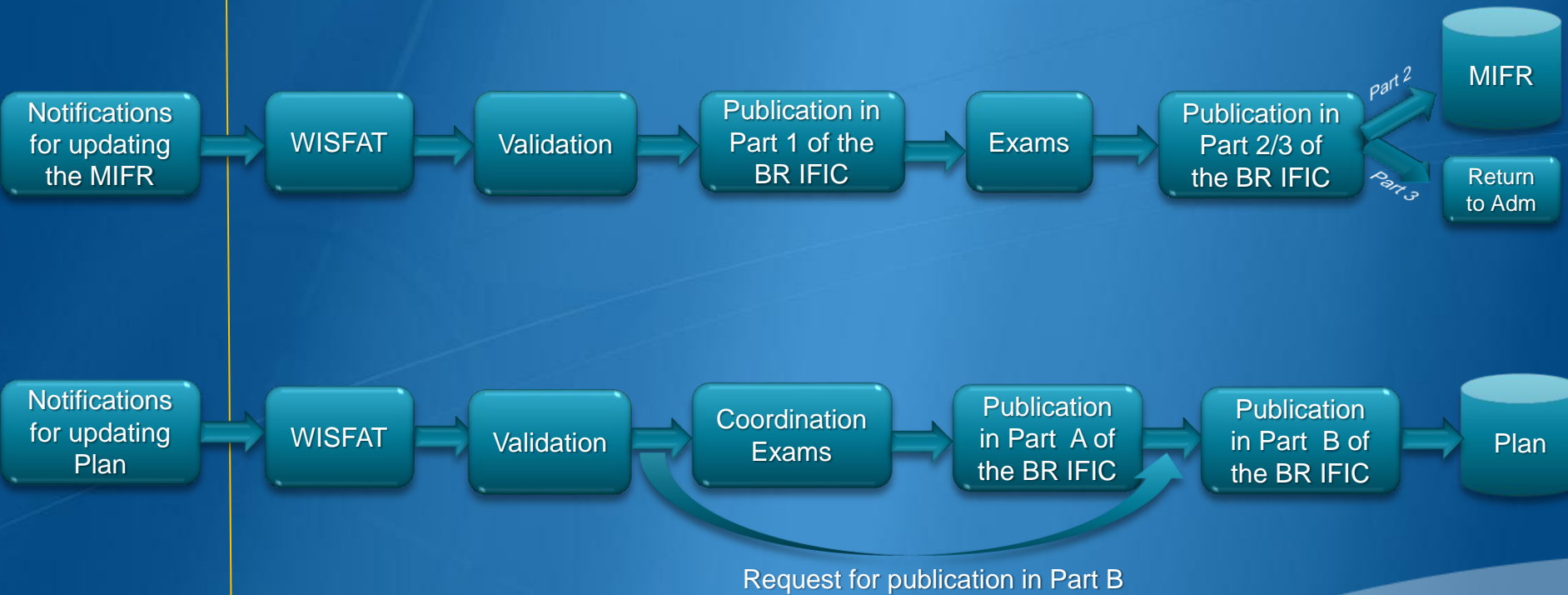
Publication in Part III of the BR IFIC

- Part III contains notifications and associated findings adopted concerning frequency assignments returned to the notifying administrations.
- RR11.41: Resubmission procedure for recording in the Master Register of assignments with unfavourable findings with respect to technical examination.
- RR4.4: Recording in the Master Register of assignments with unfavourable findings, for information only.

Overview of the BR processing

Adm

BR



Thank you for your attention!

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

