



30<sup>TH</sup> WORLD RADIOCOMMUNICATION SEMINAR

24 – 28 October 2022

Geneva, Switzerland

# BR IFIC (BR International Frequency information Circular) – Terrestrial Services (Workshop)

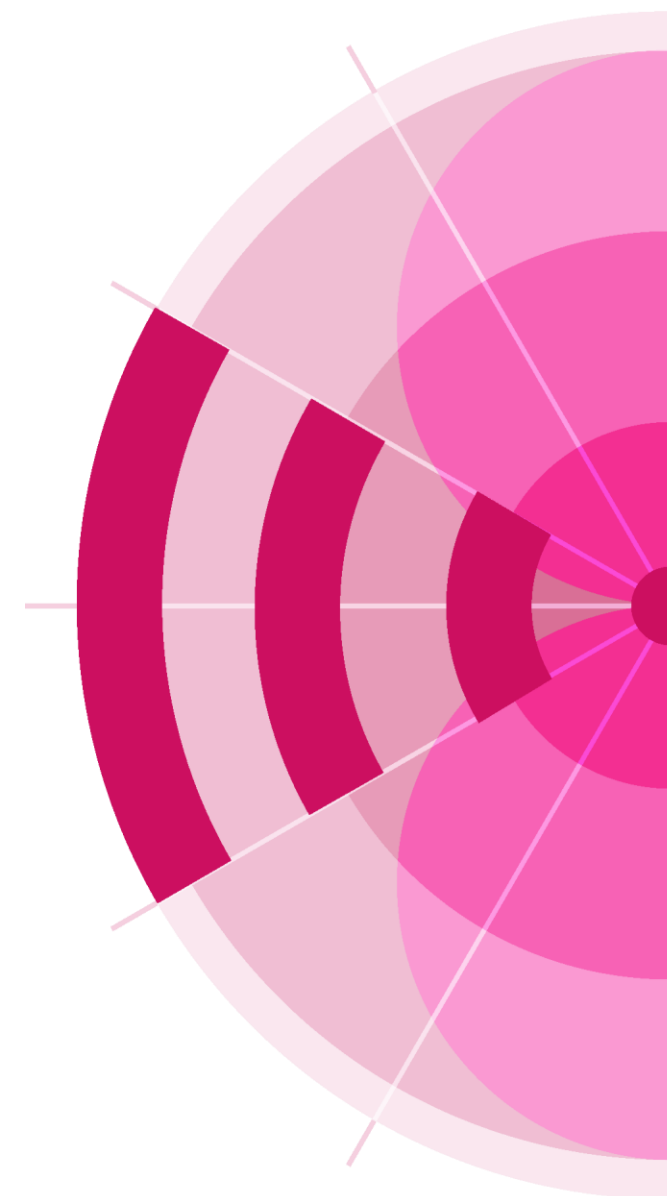
Terrestrial Services Department

Radiocommunication Bureau

International Telecommunication Union

[www.itu.int/go/wrs-22](http://www.itu.int/go/wrs-22)

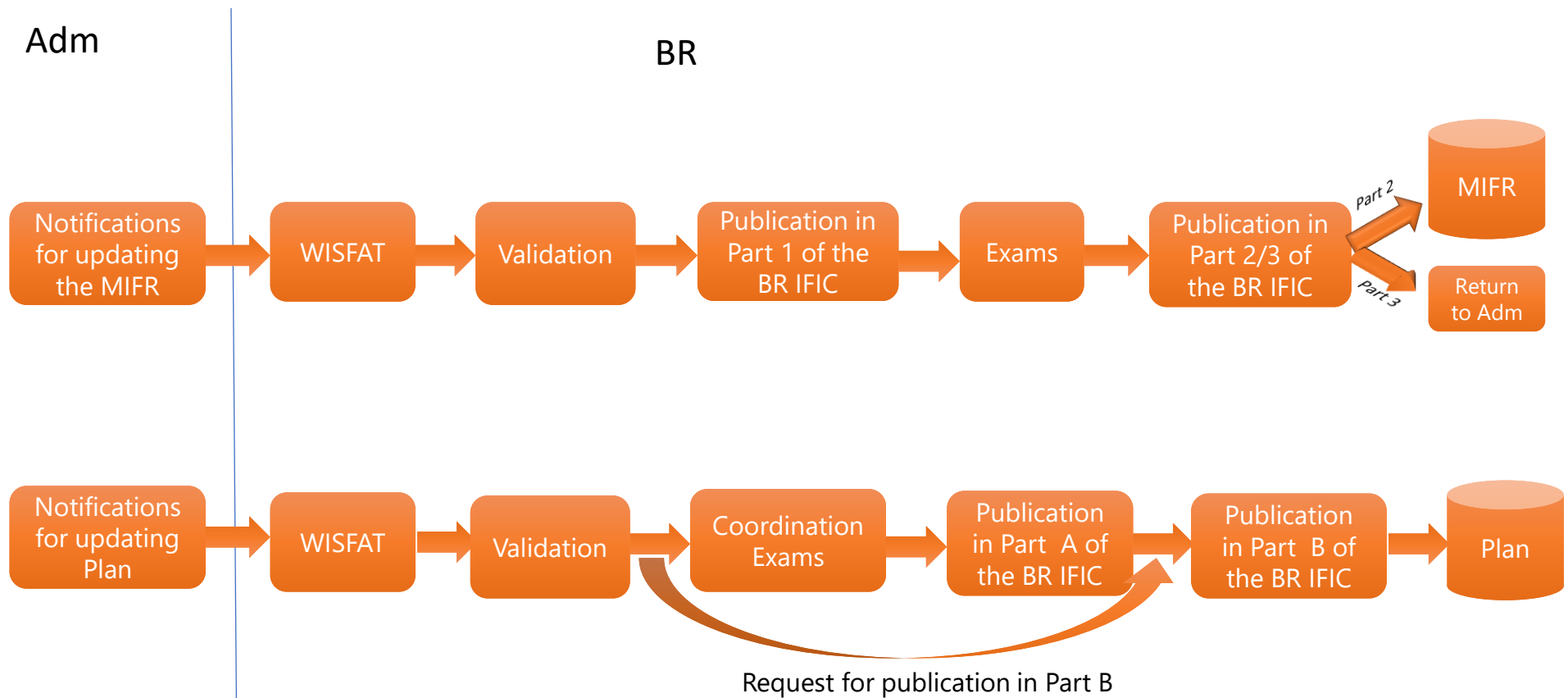
#ITUWRS



# Introduction

- The purpose of the BR International Frequency information Circular (BR IFIC) is to provide information on the frequency assignments/allotments submitted by administrations to the BR for updating the Master International Frequency Register and Plans.
- The BR IFIC contains also different software for preparing the notices and consulting the information published.
- The BR IFIC is published once every two weeks by the BR, pursuant to Article 20 of the Radio Regulations.
- One copy of the BR IFIC is distributed free of charge to every administration.
- The BR IFIC is issued in Arabic, Chinese, English, French, Russian and Spanish.

# Overview of the BR processing



# Parts I, II and III

Notice forms received under Article 11 of the Radio Regulations are published in the following parts of the Circular:

- Part I: Notices received for new frequency assignments, or modifications to or cancellations of recorded assignments. It serves as the acknowledgement of receipt of notices received by the Bureau.
- Part II: Frequency assignments that will be recorded in the Master Register.
- Part III: Notices that will be returned to administrations for reasons of unfavourable findings given by the Bureau.

# Special Sections

Requests for modification of the various plans relating to terrestrial services and the GE06L list are published in the corresponding Special Sections of BR IFIC. Requests for coordination under No. 9.21 of the Radio Regulations are also published in Special Sections.

In general, Special Sections contains the following three parts:

- Part A: Information on the proposed modifications and potential affected administrations;
- Part B: Information on modifications in respect of which agreement has been reached and if so requested (once the time limit for comments has passed, assignments are published in Part B and recorded in the Plan if no objection and if so requested);
- Part C: Information on cancelled frequency assignments/allotments.

The exception is the procedure under No. 9.21, where there are Parts A and B for space services and Parts C and D for terrestrial services.

# BR IFIC database

- Particulars of frequency assignments recorded in the Master International Frequency Register (MIFR);
- Frequencies prescribed by the Radio Regulations for common use by certain services;
- Allotments in the Plans included in Appendices 25, 26 and 27 to the Radio Regulations.

# MIFR

- The MIFR contains all frequencies used worldwide that have been notified to the ITU and are in conformity with the Radio Regulations.
- The Bureau keeps the MIFR up-to-date based on the information received from administrations.
  - Any complete notice received under the Article 11 procedure is published in Part I. The BR then examines the notice with regards to the frequency band and the radio service concerned.
  - If the examination results in a favourable finding, the BR publishes the notice in Part II of the BR IFIC and records it in the MIFR.
  - If the examination results in an unfavourable finding, the BR publishes the notice in Part III of the BR IFIC and returns it to the notifying administration with recommendations.
- The MIFR is also maintained based on information published in Part IIB, relating to frequency assignments recorded in the MIFR for which the findings have been reviewed by the BR in accordance with Nos. 11.50 and/or 14.1 of the Radio Regulations.
- Cancellation of assignments recorded in the Master Register which are no longer used.

# Plans for terrestrial services

- Worldwide Agreements:
  - Maritime: AP 25
  - Aeronautical: AP 26, AP 27.
- Regional Agreements:
  - Broadcasting VHF/UHF (BC/BT): ST61, GE84, GE89, GE06;
  - Broadcasting LF/MF (BC): GE75, RJ81, RJ88;
  - Maritime/aeronautical: GE85M, GE85N.
- The plans are updated by the Bureau on the basis of information submitted by administrations and published in the various Special Sections.



# Software

- TerRaQ: Software for querying the BR IFIC database:
  - Parts I, II, III or IIB and the Special Sections (Parts A, B and C);
  - Frequency assignments/allotments recorded in the Master Register and in the various plans, as well as notices currently being processed;
  - Specific queries (National extract, SQL Query, etc.).
- TerRaNotices
  - Creation and validation of electronic notices;
  - Complete validation is performed by the BR.
- BR IFIC DB Manager
  - It is now possible to have different releases of the BR IFIC databases installed on one PC and choose the desired one
- Terrestrial BR IFIC Format Converter
  - Create a bridge MS Access® database to connect to the SQLite database
  - Convert BR IFIC database file from MS Access® to SQLite

# Fragments of the database - Broadcasting

- RR 11 (NTFD\_RR): Assignments recorded in the MIFR and notices submitted under Article 11 of the Radio Regulations;
- ST61: Former Analogue Plan for the European Broadcasting Area (the ST61 Agreement continues to regulate the use of bands 47 - 68 MHz, 87.5 - 100 MHz and 162 - 170 MHz);
- GE84: Plan for the use of the band 87.5 - 108 MHz for FM sound broadcasting (Region 1 and part of Region 3);
- GE75: Plan for LF/MF broadcasting (Regions 1 and 3);
- RJ81: Plan for MF broadcasting (Region 2).
- GE89: Former Analogue Plan for the VHF/UHF television service in the African Broadcasting Area and neighbouring countries (the GE89 Agreement continues to regulate the use of bands 47 - 68 MHz, 230 - 238 MHz and 246 - 254 MHz);
- GE06D: Digital Plan adopted by RRC-06

# Fragments of the database - Fixed and Mobile

- RR 11 (NTFD\_RR): Assignments recorded in the MIFR and notices submitted under Article 11 of the Radio Regulations;
- RR 9 (Req\_agrt): Notices submitted under RR 9.21 for terrestrial services;
- Com Freq: Frequencies for which common use is prescribed in accordance with RR 11.13;
- AP25: Frequency allotment Plan for coast radiotelephone stations operating in the exclusive maritime mobile bands between 4 000 kHz and 27 500 kHz;
- AP26: Frequency allotment Plan for the aeronautical mobile (OR) service in the bands allocated exclusively to that service between 3 025 kHz and 18 030 kHz;
- AP27: Frequency allotment Plan for the aeronautical mobile (R) service;
- GE85M: Frequency Plan regulated by the regional agreement for the MF maritime mobile and aeronautical radionavigation services (Region 1), Geneva, 1985;
- GE85N: Frequency Plan regulated by the regional agreement for the planning of the maritime radionavigation service (radiobeacons) in the European Maritime Area, Geneva, 1985;
- GE06L: List of assignments to primary terrestrial services other than the broadcasting service, established by RRC-06.

# Preface to the BR IFIC

- Tables of symbols used for various data and their description
  - Administrations;
  - Geographical areas;
  - Address codes and Operating agencies;
  - Class of Station;
  - Nature of service;
  - Type of power for each class of emission;
  - Polarization;
  - Finding information;
  - Etc.
- All the information published in the Preface is updated solely by the BR except Address Codes and Operating Agencies.
- Published in the BR IFIC and on the ITU website at the following URL:  
[http://www.itu.int/en/ITU-R/terrestrial/brific/BRIFIC/Preface/PREFACE EN.pdf](http://www.itu.int/en/ITU-R/terrestrial/brific/BRIFIC/Preface/PREFACE_EN.pdf).

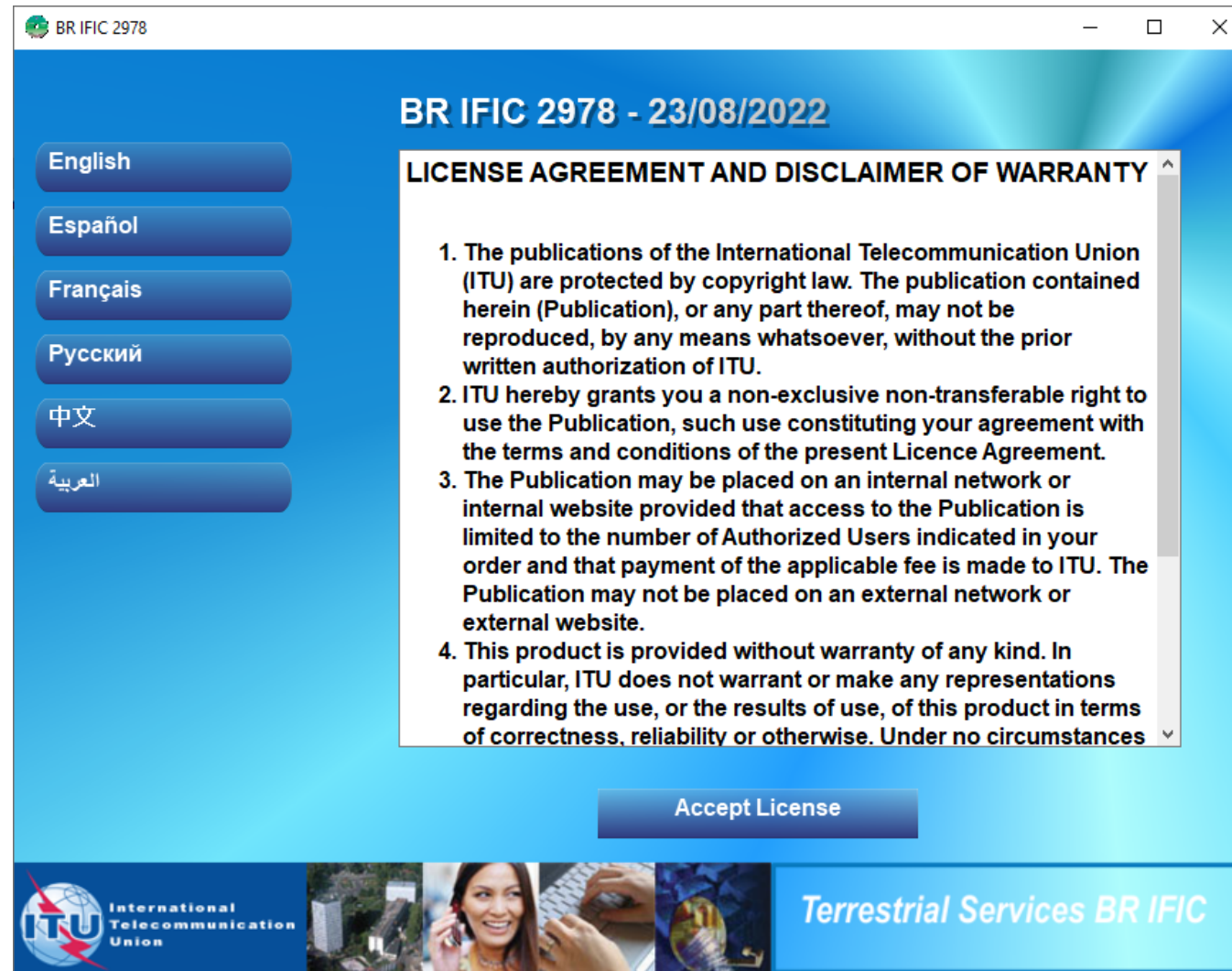
# General information (ReadMe)

- Statistics on the notices published in Parts I, II and III of the BR IFIC (Article 11 procedure).
- Statistics on the notices published in Special Sections (Plan modification procedures or Article 9 procedure).
- Actions taken by the Bureau, such as reviews of findings.
- Information on the updates of the BR software, BR database and in general, on the notification, registration or publication processes.

# In summary



# Look and navigation menu



BR IFIC 2978

BR IFIC 2978 - 23/08/2022

English

Español

Français

Русский

中文

العربية

**LICENSE AGREEMENT AND DISCLAIMER OF WARRANTY**

1. The publications of the International Telecommunication Union (ITU) are protected by copyright law. The publication contained herein (Publication), or any part thereof, may not be reproduced, by any means whatsoever, without the prior written authorization of ITU.
2. ITU hereby grants you a non-exclusive non-transferable right to use the Publication, such use constituting your agreement with the terms and conditions of the present Licence Agreement.
3. The Publication may be placed on an internal network or internal website provided that access to the Publication is limited to the number of Authorized Users indicated in your order and that payment of the applicable fee is made to ITU. The Publication may not be placed on an external network or external website.
4. This product is provided without warranty of any kind. In particular, ITU does not warrant or make any representations regarding the use, or the results of use, of this product in terms of correctness, reliability or otherwise. Under no circumstances

Accept License

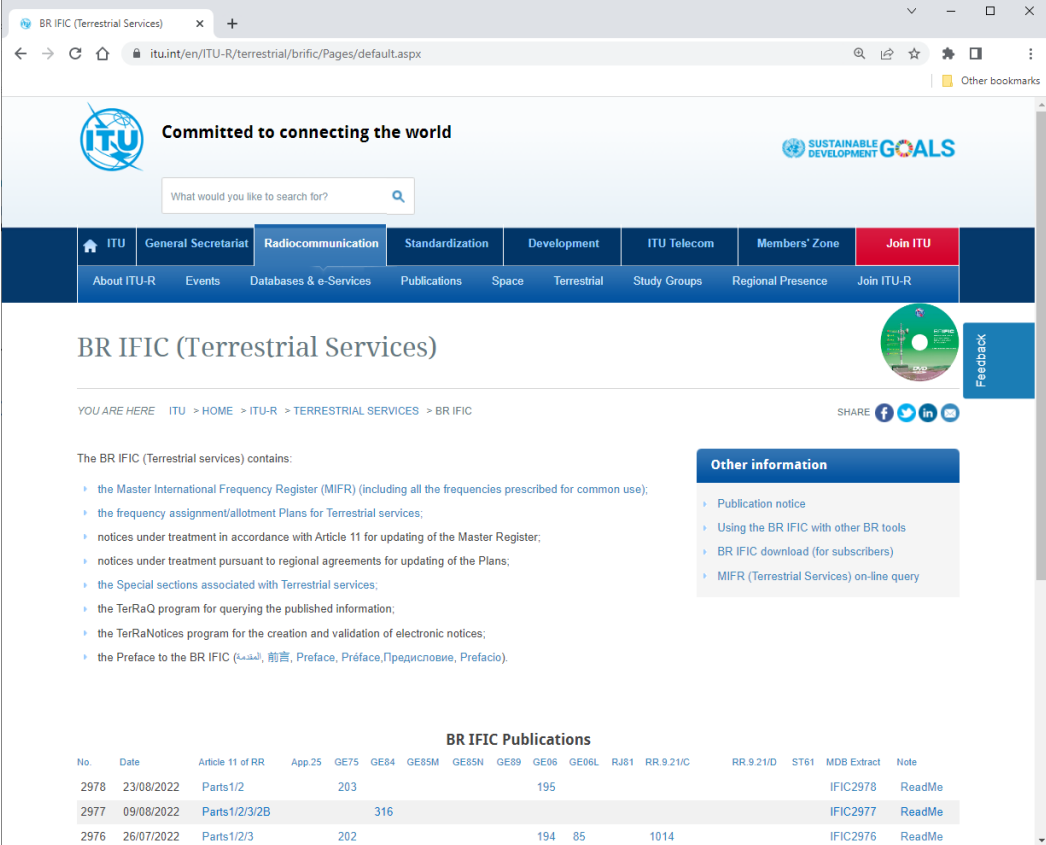
International Telecommunication Union

Terrestrial Services BR IFIC

# BR IFIC ON WEB

The contents of each BR IFIC publication are also accessible on-line through:

<http://www.itu.int/en/ITU-R/terrestrial/brific/Pages/default.aspx>



BR IFIC (Terrestrial Services)

YOU ARE HERE ITU > HOME > ITU-R > TERRESTRIAL SERVICES > BR IFIC

The BR IFIC (Terrestrial services) contains:

- the Master International Frequency Register (MIFR) (including all the frequencies prescribed for common use);
- the frequency assignment/allotment Plans for Terrestrial services;
- notices under treatment in accordance with Article 11 for updating of the Master Register;
- notices under treatment pursuant to regional agreements for updating of the Plans;
- the Special sections associated with Terrestrial services;
- the TerRaQ program for querying the published information;
- the TerRaNotices program for the creation and validation of electronic notices;
- the Preface to the BR IFIC (المقدمة, 前言, Preface, Préface, Предисловие, Prefacio).

**Other information**

- Publication notice
- Using the BR IFIC with other BR tools
- BR IFIC download (for subscribers)
- MIFR (Terrestrial Services) on-line query

**BR IFIC Publications**

No.	Date	Article 11 of RR	App.25	GE75	GE84	GE85M	GE85N	GE89	GE06	GE06L	RJ61	RR.9.21/C	RR.9.21/D	ST61	MDB Extract	Note
2978	23/08/2022	Parts1/2		203					195						IFIC2978	ReadMe
2977	09/08/2022	Parts1/2/3/2B			316										IFIC2977	ReadMe
2976	26/07/2022	Parts1/2/3		202					194	85		1014			IFIC2976	ReadMe



# Exercises on BR IFIC data consultation

## National extract

Retrieve all the assignments recorded in the MIFR on behalf of your Administration using “Quick Query” option.

## Pending notices

Retrieve all pending requests of modification of the GE06D Plan on behalf of your Administration and check their coordination requirements.

## Search for a frequency assignment

Retrieve the frequency assignment of 594 MHz and geographical coordinates 34°40'00"E - 4°45'00"S using “General Purpose Query”.

## Latest publication query

Retrieve all the frequency assignments of your Administration published by the Bureau in the latest BR IFIC.

- Indicate those published for acknowledgement of receipt
- Indicate those which are going to be recorded in the Master Register.
- Indicate those for which the Bureau has formulated an unfavourable finding.

## Notification to the BR for registration in the Master Register during year 2021

Retrieve all the assignments notified by your Administration, for registration in the **Master Register**, during 2021.

## BR IFIC history check

Retrieve all BR IFICs published in 2021 containing notifications submitted by your Administration.

## Update Tables 12A/12B of the Preface to the BR IFIC

Check Tables 12A/12B of the Preface to the BR IFIC (Address Codes and Operating Agencies)

Should there be any changes, communicate them to the Bureau (BRMail@itu.int).

*Thank you for  
your attention!*

ITU – Radiocommunication Bureau  
Questions to [brmail@itu.int](mailto:brmail@itu.int) or [brtpr@itu.int](mailto:brtpr@itu.int)

