

International Telecommunication Union



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RADIOCOMMUNICATION
SEMINAR FOR ARAB COUNTRIES 2013

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www.itu.int/go/ITU-R/seminars

Organised by:



BR IFIC (BR International Frequency information Circular)

ITU – Radiocommunication Bureau



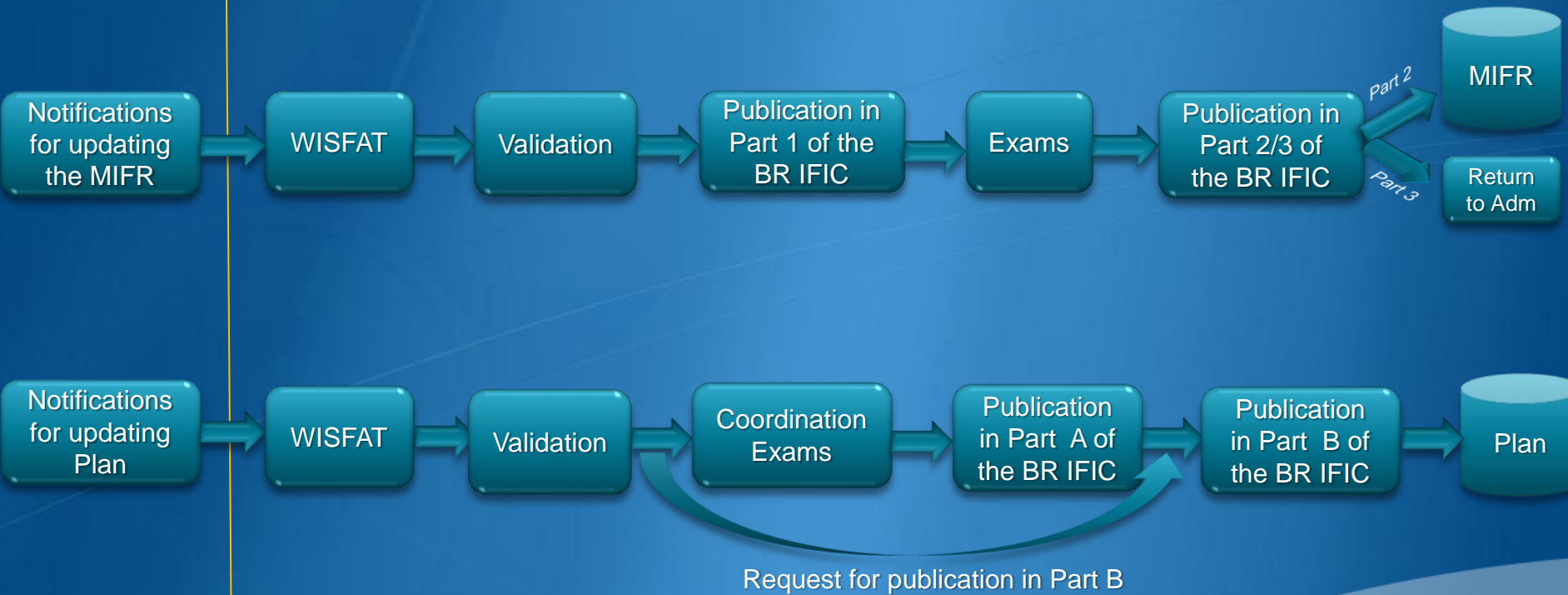
Introduction

- 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

Adm

BR



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.

International Frequency List

- 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 on the basis of 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 in regard 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 on the basis of 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.).
- TerRaNV
 - Software for checking the electronic notices;
 - Complete validation is performed by the BR.
- TerRaNotices
 - Creation and validation of electronic notices;
 - Incorporates the same validations as TerRaNV.
- 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
 - Convert BR IFIC database file from SQLite to MS Access® and vice versa

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);
- GE06A: Analogue Plan adopted by RRC-06 ;
- 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

- Contains an explanation of the abbreviations, symbols and coded remarks used in 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/ITU-R/publications/brific-ter/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



New format of the BR IFIC DVD

- Replacement of Microsoft Access® by SQLite since BR IFIC No. 2739 of 5 March 2013, (see [CR/332](#) of 24 April 2012 and [CR/344](#) of 4 February 2013);
- SQLite is an “open source” product;
- The user does not need to:
 - have administrator privilege for using/installing the BR IFIC;
 - purchase a license for using the database;
 - adjust Windows security settings to install the database.
- SQLite format allows compacting the database in a single file.

New look and navigation menu

The screenshot shows a web browser window titled "BR IFIC 2758". The main content area features a large green circular graphic with a radio tower and the text "BRIFIC International Frequency Information Circular (Terrestrial Services)". A language selection menu is overlaid on the left side of the circle, listing: English, العربية, 中文, Español, Français, and Пуссаки. Below the circle are buttons for "Install BR IFIC", "Quit", and "Language". On the left side of the window, there is a vertical navigation menu with buttons for "BR IFIC Contents", "Publication Notice", "Guides", and "Contact us". At the top right of the window, the text "BR IFIC 2758 - 26/11/2013" and "Welcome to the BR International Frequency Information Circular (BR IFIC)." is displayed. The footer contains the ITU logo, the text "International Telecommunication Union", a row of four small images, and the text "Terrestrial Services BR IFIC".

BR IFIC 2758

BR IFIC 2758 - 26/11/2013

Welcome to the BR International Frequency Information Circular (BR IFIC).

BRIFIC
International
Frequency
Information
Circular
(Terrestrial Services)

English
العربية
中文
Español
Français
Пуссаки

DVD
ROM

Install BR IFIC

Quit

Language

International
Telecommunication
Union

Terrestrial Services BR IFIC

International
Telecommunication
Union

New features of the BR IFIC DVD

- New versions of TerRaQ, TerRaNotices and TerRaNV;
- A “navigation menu” in a “plug-and-play” mode, which allows the user to browse the data, perform queries, execute the software, directly from the DVD without the need to perform any installation;
- An “install-on-demand” utility, which allows the user to install the BR IFIC data and/or its software packages.
- A tool to convert a SQLite database to a Microsoft Access[®] database and vice-versa;
- A tool to export data to a Microsoft Access[®] database, in addition to an SQLite database.

BR IFIC ON WEB

The contents of each BR IFIC publication are also accessible on-line through:
<http://www.itu.int/ITU-R/go/terrestrial-brific/en>

The screenshot shows the ITU-R website interface. At the top, there's a navigation bar with 'Home : ITU-R : Terrestrial Services' and a search box. Below that, a red banner highlights 'Publications'. The main content area features a list of publications and a table with the following data:

BR IFIC No.	Date of Publication	Article 11 of RR (Index)	Special Section	MDB Extract	Note
2757	12.11.2013	AR11_Parts1/2/3	GE84/214 ST61/1543	IFIC2757	ReadMe
2756	29.10.2013	AR11_Parts1/2/3	GE06/85 GE06L/14 RR921/C/954	IFIC2756	ReadMe
2755	15.10.2013	AR11_Parts1/2	GE84/213 GE75/135	IFIC2755	ReadMe
2754	01.10.2013	AR11_Parts1/2/3	GE06/84 GE06L/13 ST61/1542	IFIC2754	ReadMe
2753	17.09.2013	AR11_Parts1/2/3	GR84/212	IFIC2753	ReadMe

Conclusions

- The BR IFIC is a reference publication for Frequency Managers.
- Assignments recorded in the MIFR with a favourable finding have the right to international recognition (RR8.3). It is essential to consult the BR IFIC regularly.
- Acknowledgement of receipt for the notifying administration.
- Coordination with administrations of neighbouring countries.
- One copy of the BR IFIC is distributed free of charge to every administration.
- List (in PDF format) and an extract (in MDB format) of assignments included in the last publication on the ITU website at the following address: <http://www.itu.int/ITU-R/go/terrestrial-brific/en>.

Thank you for your attention!

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

