



## **Terrestrial Services Department**

### **FM SOUND BROADCASTING, REGION 1 AND PART OF REGION 3 - AFGHANISTAN AND THE ISLAMIC REPUBLIC OF IRAN, GENEVA, 1984**

#### **1 Introduction**

The Regional Administrative Conference for FM Sound Broadcasting for the Countries of Region 1 and Part of Region 3, Afghanistan and the Islamic Republic of Iran, was held in Geneva in 1984, and adopted a Plan for broadcasting stations in the band 87.5-108 MHz.

The Plan came into force on 1 July 1987 and contained 51 168 stations along with 1 329 stations in the appendix to the Plan (assignments to be coordinated after the Conference). The Plan established now contains 84 850 frequency assignments. (September 2020).

#### **2 Article 4 procedure**

The Agreement contains a Plan modification procedure set forth in **Article 4**. The flowcharts describing the GE84 Plan modification procedure are on the ITU Web site at:

[http://www.itu.int/en/ITU-R/terrestrial/broadcast/plans/Documents/GE84\\_Article%204.pdf](http://www.itu.int/en/ITU-R/terrestrial/broadcast/plans/Documents/GE84_Article%204.pdf)

The procedure allows a frequency assignment's characteristics to be modified or a new assignment to be entered.

Web application tools, *dedicated to FM broadcasting*, part of **eBCD2.0**, have been designed to assist administrations in the planning and coordination of their VHF-FM sound broadcasting services, in accordance with the GE84 Agreement, are available at the following link (TIES login required):

<https://www.itu.int/ITU-R/eBCDMVC/ECalculations>

The documents describing the functionalities of the *GE84 related tools* are available on the same Web page under *eTools Documentations* and at the level of the detailed calculation results for each job.

## 2.1 Procedure for modifying or adding an assignment

An administration wishing to modify the characteristics of an assignment in the Plan or to add a new assignment must preferably seek agreement directly from those administrations whose services are liable to be affected; it then sends to the BR the characteristics of the modification or addition electronically via WISFAT Web application, using a T01 form of notice in electronic format (see page <https://www.itu.int/en/ITU-R/terrestrial/tpr/Pages/FMTVNotices.aspx> for guidance) indicating the names of the administrations with which agreement has been reached.

The Bureau determines those frequency assignments in conformity with the Plan that may be affected and publishes the characteristics of the modifications in Part A of a GE84 Special Section together with the names of those administrations that have given their agreement and those from which agreement must be obtained.

The **Article 4** procedure takes account not only of sound broadcasting stations but also of other services (BT, ILS/VOR, fixed, mobile). Detailed technical criteria based for the most part on field-strength limits have been adopted in order to accommodate such sharing between broadcasting stations and other services.

Agreement has to be obtained for a proposed modification when the assignment does not comply with specific limits with respect to the following assignments of a neighbouring country:

- broadcasting stations in conformity with the Plan; the limits are minimum distances between the proposed assignment and the border of the neighbouring country;
- to avoid unjustified refusals, the Agreement specifies the increase in interfering field strength that the administration consulted ought to accept (§ 4.3.7.1);
- TV stations in conformity with the Stockholm 1961 Agreement, in the band 87.5-100 MHz; the limits are also minimum distances between the proposed assignment and the border of the neighbouring country;
- stations in the fixed service; the limits are values of field strength at the location of the fixed station;
- stations in the mobile service; the limits are values of field strength at the location of the base station;
- stations in the aeronautical radionavigation service in the band above 108 MHz; limits are minimum distances between the proposed assignment and the border of the neighbouring country.

The time limit for submitting comments either to the administration or to the BR is 100 days following publication in Part A.

If no comment has been received by that time, or if an agreement has been reached with administrations that have made comments, the administration on whose behalf the proposed modification was published informs the Bureau, indicating the final characteristics of the frequency assignment together with the names of the administrations with which agreement has been reached, using the TB3 forms of notice in electronic format (via the WISFAT web application).

The Bureau publishes this information in Part B of the GE84 Special Section on the BR IFIC DVD-ROM and updates the Plan.

A pdf version of the publication is also published on the ITU website at the following URL: <https://www.itu.int/en/ITU-R/terrestrial/brific/Pages/default.aspx>

Pursuant to paragraphs 1.3 of Part A2 and 4.6.1 of Part A5 of the latest version of the Rules of Procedure (RoP), the frequencies pending in coordination stage are now deleted after 2 years and 100 days

## 2.2 Simplified procedure

A simplified procedure is applied for minor modifications such as slight changes in geographical coordinates, or for modifications which would only reduce the probability of interference, such as power reductions. These modifications are directly published in Part B of the GE84 Special Section and entered into the Plan.

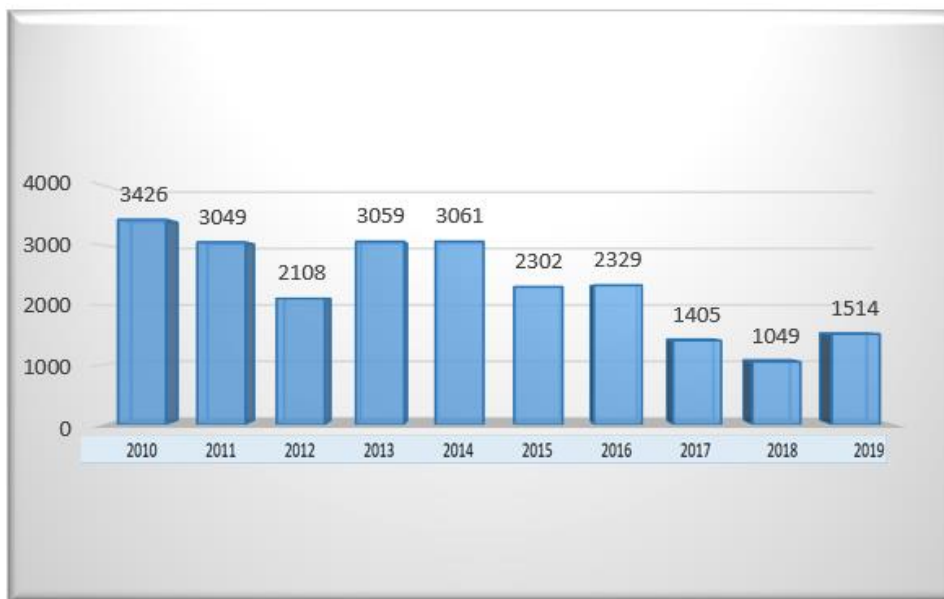
## 2.3 Cancellation of an assignment

When an assignment in conformity with the Agreement is suppressed, the administration concerned so informs the Bureau immediately using TB5 forms of notice in electronic format (via the WISFAT web application). The Bureau publishes this information in Part C of the GE84 Special Section and updates the Plan.

## 3 Statistics

The graph below shows the number of modifications published over the past ten years.

*Evolution of GE84 Plan*



## 4 Notification of frequency assignments

The notification procedure set forth in **Article 7** of the Agreement is necessary only when an assignment is brought into use.

An administration wishing to bring a broadcasting assignment into operation in conformity with the Agreement must notify it to the Bureau in conformity with the provisions of **Article 11** of the Radio Regulations.

When the assignment brought into use is in conformity with the technical characteristics set forth for the assignment in the Plan, it is then entered into the Master International Frequency Register (generally known as the MIFR).

The procedure is as follows:

- the administration sends a notification request to BR (T01 or TB2 form of notice)
- the Bureau publishes the characteristics of the assignment in Part I of the BR IFIC as acknowledgment of receipt
- the Bureau examines the assignment under the provisions of **Article 11** and issues a finding:
  - favourable, if the characteristics are in conformity with the RR and the Plan. The assignment is published in Part II of the BR IFIC and entered into the Master International Frequency Register, generally known as the MIFR
  - or unfavourable if the characteristics are not in conformity with the RR or the Plan. The assignment is published in Part III and returned to the administration.

## References

*Final Acts of the Regional Administrative Conference for the Planning of VHF Sound Broadcasting (Region 1 and Part of Region 3), Geneva, 1984 – available on the ITU website at the following URL:*

<https://www.itu.int/en/ITU-R/terrestrial/broadcast/Pages/FMTV.aspx>

*FMTV Guidelines – available on the ITU website at the following URL:*

[https://www.itu.int/en/ITU-R/terrestrial/tpr/Documents/FMTV/English\\_Guidelines/BS\\_VHF\\_UHF\\_GuideLines\\_web.pdf](https://www.itu.int/en/ITU-R/terrestrial/tpr/Documents/FMTV/English_Guidelines/BS_VHF_UHF_GuideLines_web.pdf)

*Rules of Procedure – available on the ITU website at the following URL:*

<http://www.itu.int/pub/R-REG-ROP/en>

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