



## Radiocommunication Bureau (BR)

Circular Letter  
CCRR/61

Geneva, 15 January 2019

### To Administrations of Member States of the ITU

Subject: **Draft Rules of Procedure concerning the Regional Agreement GE75**

Please find enclosed a draft Rule of Procedure intended to facilitate the application of the plan modification procedure of the Regional Agreement, Geneva 1975 for digital broadcasting assignments.

This draft Rule of Procedure has been developed in accordance with the relevant decision of the Radio Regulations Board at its 79<sup>th</sup> meeting.

In accordance with No. **13.17** of the Radio Regulations, these draft Rules of Procedure are made available to administrations for comments before being submitted to the RRB pursuant to No. **13.14**. As indicated in No. **13.12A d)** of the Radio Regulations, any comments that you may wish to submit should reach the Bureau not later than **18 February 2019**, in order to be considered at the 80<sup>th</sup> meeting of the RRB, scheduled for 18 – 22 March 2019. Comments should be sent either by telefax to +41 22 730 5785 or by email to [brmail@itu.int](mailto:brmail@itu.int).

Your attention is drawn to the fact that this Circular cancels and replaces Circular Letter CR/439 dated 18 December 2019.

A handwritten signature in blue ink, appearing to read 'Mario Maniewicz'.

Mario Maniewicz  
Director

### Annexe: 1

#### Distribution:

- Administrations of Member States of ITU
- Members of the Radio Regulations Board

**ANNEX 1**

**PART A3**

**Rules concerning the Regional Agreement concerning the use by the  
broadcasting service of frequencies in the medium frequency bands  
in Regions 1 and 3 and in the low frequency bands in Region 1  
(Geneva, 1975) (GE75)**

**An. 2**

**Technical data used in the preparation of the Plan and to be used  
in the application of the Agreement**

**CHAPTER 1**

**Definitions**

**MOD**

4.4 *Protection ratios:* In applying the Agreement, the values of the co-channel and adjacent channel protection ratios given below should be used unless otherwise agreed between the administrations concerned. In the case of fluctuating wanted or unwanted signals, the values of the protection ratio apply for at least 50% of the nights of the year at midnight.

However, Resolution 8 of the Regional Administrative Conference (Regions 1 and 3) for drawing up frequency assignment plans for LF and MF broadcasting (Geneva, 1975) states:

*"1 that broadcasting stations may provisionally use bandwidth saving modulation methods on condition that interference in the same or adjacent channels concerned does not exceed the interference resulting from the application of double sideband modulation with full carrier (A3E);*

*2 that any administration which envisages using these methods of emission shall seek the agreement of all affected administrations by following the procedure specified in Article 4 of the Agreement."*

After consideration of the relevant ITU-R studies, the Board decided that an analogue modulated frequency assignment in the Plan may be notified to be recorded in the Master International Frequency Register (MIFR) with digital modulation (transmission system Digital Radio Mondiale<sup>1</sup>, robustness mode<sup>2</sup> A or B and spectrum occupancy type 2), provided the radiation is reduced by at least 6.6 dB in all directions, compared to the radiation of the analogue frequency assignment in the Plan.

The power of the transmitter to be notified in case of digital modulation shall be the total power within the necessary bandwidth.

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<sup>1</sup> The Digital Radio Mondiale system is described in Recommendation ITU-R BS.1514-2.

<sup>2</sup> The DRM robustness modes and spectrum occupancy types are defined in ETSI Standard ES 201 980 "Digital Radio Mondiale (DRM); System Specification" Version 3.1.1 and further detailed in Recommendation ITU-R BS.1615-1

The Board further decided that in the application of Article 4 of the Agreement the protection ratios between analogue and digital assignments (transmission system Digital Radio Mondiale, robustness mode A or B and spectrum occupancy type 2) and between digital and digital assignments in Part B Section B7 shall be used.

In order to enable the determination of the relevant protection ratios and the minimum value of field strength, according to Section B7, which are necessary for the identification of potentially affected administrations according to paragraph 3.2.5 of the GE75 Agreement, the Board also decided to introduce data items Modulation and Code Rate as mandatory for submission of Plan modification proposals concerning digital assignments using notice form T03.

This Rule of Procedure is of a provisional nature until such time that it is confirmed by a competent conference empowered to deal with the subject matter.

**Reasons:** *Modulation and Code Rate are necessary data for selection of the relevant protection ratios and minimum value of field strength from the relevant Section B7 tables. The protection ratios and minimum value of field strength are required for the identification of potentially affected administrations according to paragraph 3.2.5 of the GE75 Agreement.*

Effective date of application of this Rule: immediately after approval.

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