


# ATU/ITU-REGIONAL RADIOCOMMUNICATION SEMINAR for Africa 2015



**Niamey 20-24 April 2015**

International Telecommunication Union




**ITU - ATU REGIONAL  
RADIOCOMMUNICATION  
SEMINAR FOR AFRICA**

**NIAMEY, NIGER  
20-24 APRIL 2015**

[www.itu.int/go/ITU-R/seminars](http://www.itu.int/go/ITU-R/seminars)

Organised by:



The block contains a nighttime photograph of a cityscape, likely Niamey, Niger. Below the photo is a red banner with white text and logos. The text includes the event title, location, dates, and website. Logos for the ITU 150th anniversary, ARTP, and other partners are also present.

## Regional Agreement, Geneva 2006: PLAN MODIFICATION PROCEDURES

**Bangaly Fodé TRAORE**  
Radiocommunication Engineer  
BR



# OVERVIEW

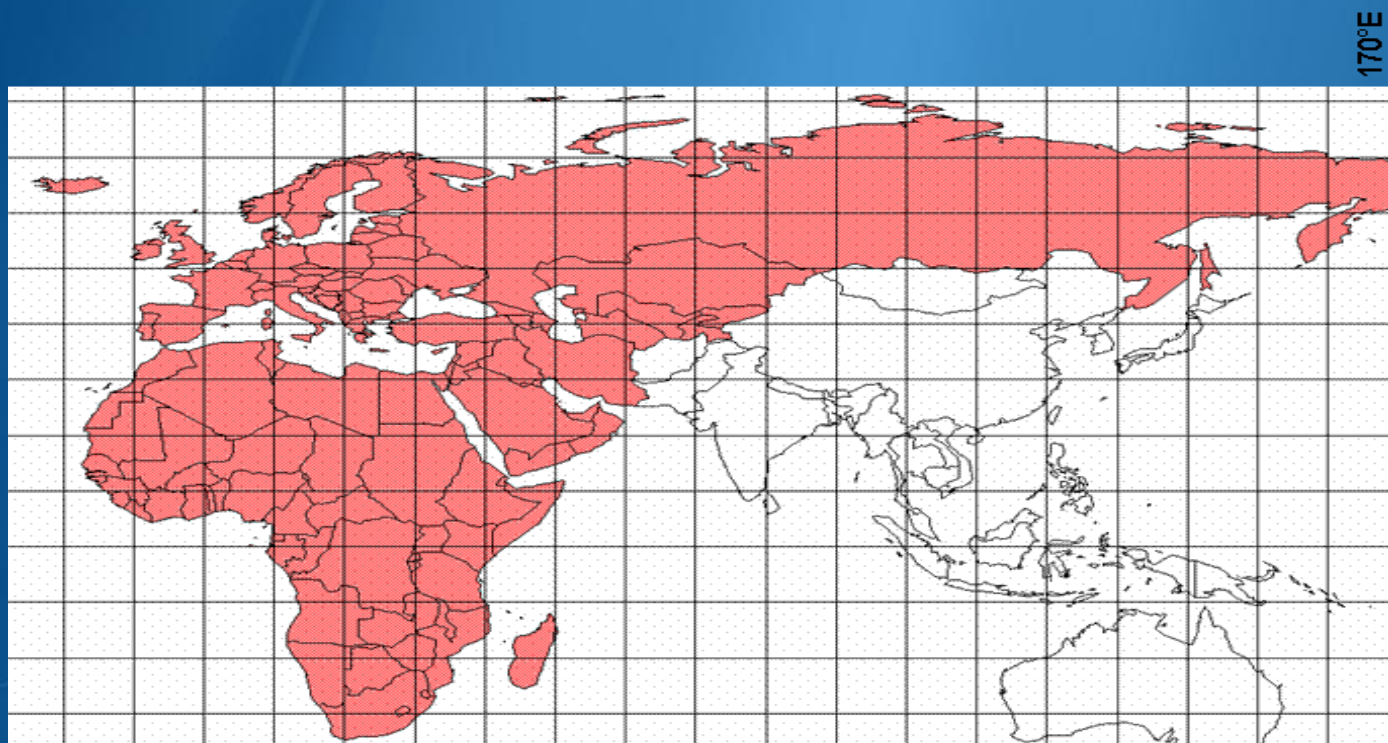
- Plan modification:
  - Definitions
  - Digital plan entries and assignment code
  - GE06 Agreement- follow-up provisions
  - GE06 examinations
- Notification procedure for normal cases
- Notification for other cases
- Exercises

# General aspects - GE06 Agreement

- Entry into force: 17 June 2007
  - *Provisionally as of 17 June 2006*
- Frequency Bands:
  - 174-230 MHz
  - 470-862 MHz
- Plans:
  - GE06D: for Digital entries;
  - GE06A for Analogue assignments; and
  - GE06L List for assignments of Other Primary Services



# Planning Area – GE06



**Planning area: Region 1 (parts of Region 1 situated to the west of meridian 170° E and to the north of parallel 40° S, except the territory of Mongolia) and in the Islamic Republic of Iran**

# Digital broadcasting

## Plan entries-Assignment Code

Plan Entry Code	Description
1	One assignment only
2	Single Frequency Network (SFN)
3	One allotment only
4	Allotment with linked assignments and SFN_Ids
5	Allotment with single linked assignment and no SFN identifier



Assignment code	Description
S	Single assignment
L	Linked assignment
C	Converted assignment



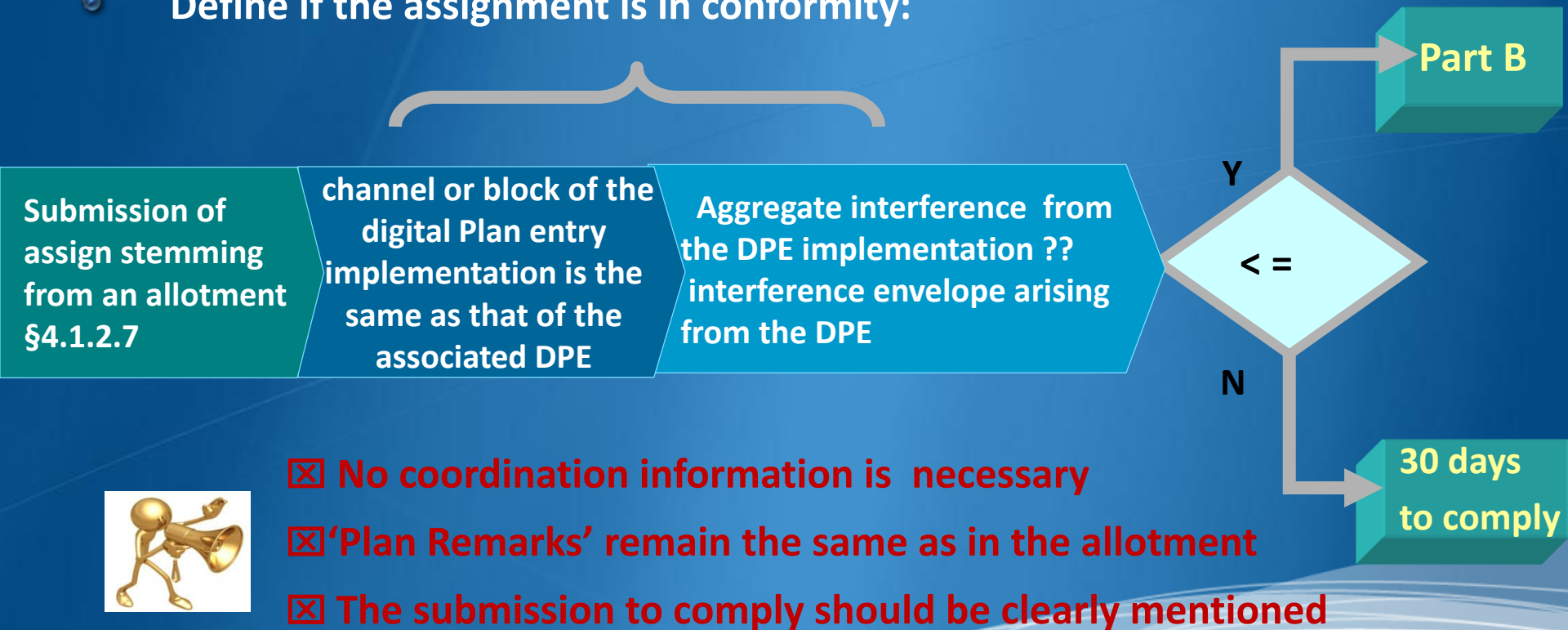
# Modification procedure - GE06 Agreement-

# Basic definitions

- Plan modification definition (§ 4.1 and 4.2 of Article 4):
  - Change characteristics of an allotment or assignment already in the Plans;
  - Add an allotment or assignment to the Plans;
  - Add an assignment stemming from an allotment to the digital Plan;
  - Cancel (suppress) from the Plans an allotment or an assignment.

# Conformity examination: Article 4

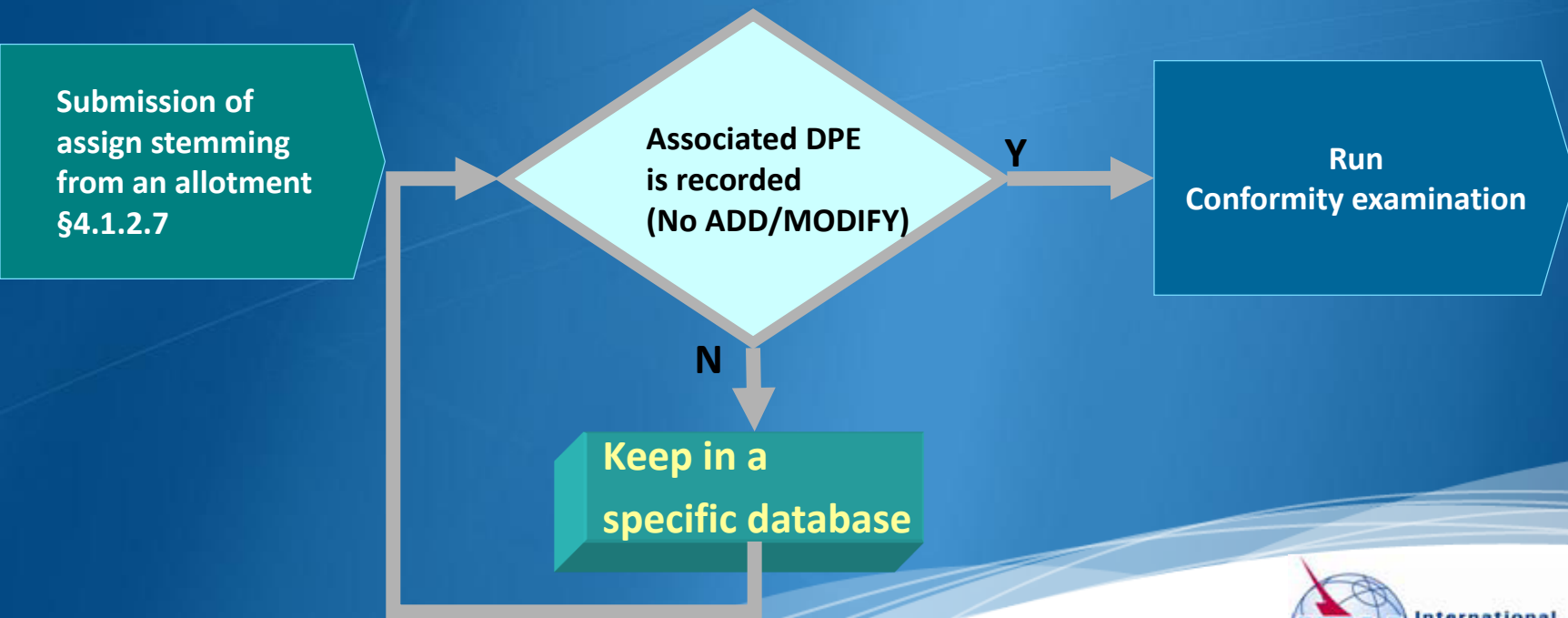
- Specific to GE06D **ONLY** ;
- Section II of appendix 4;
- Define if the assignment is in conformity:



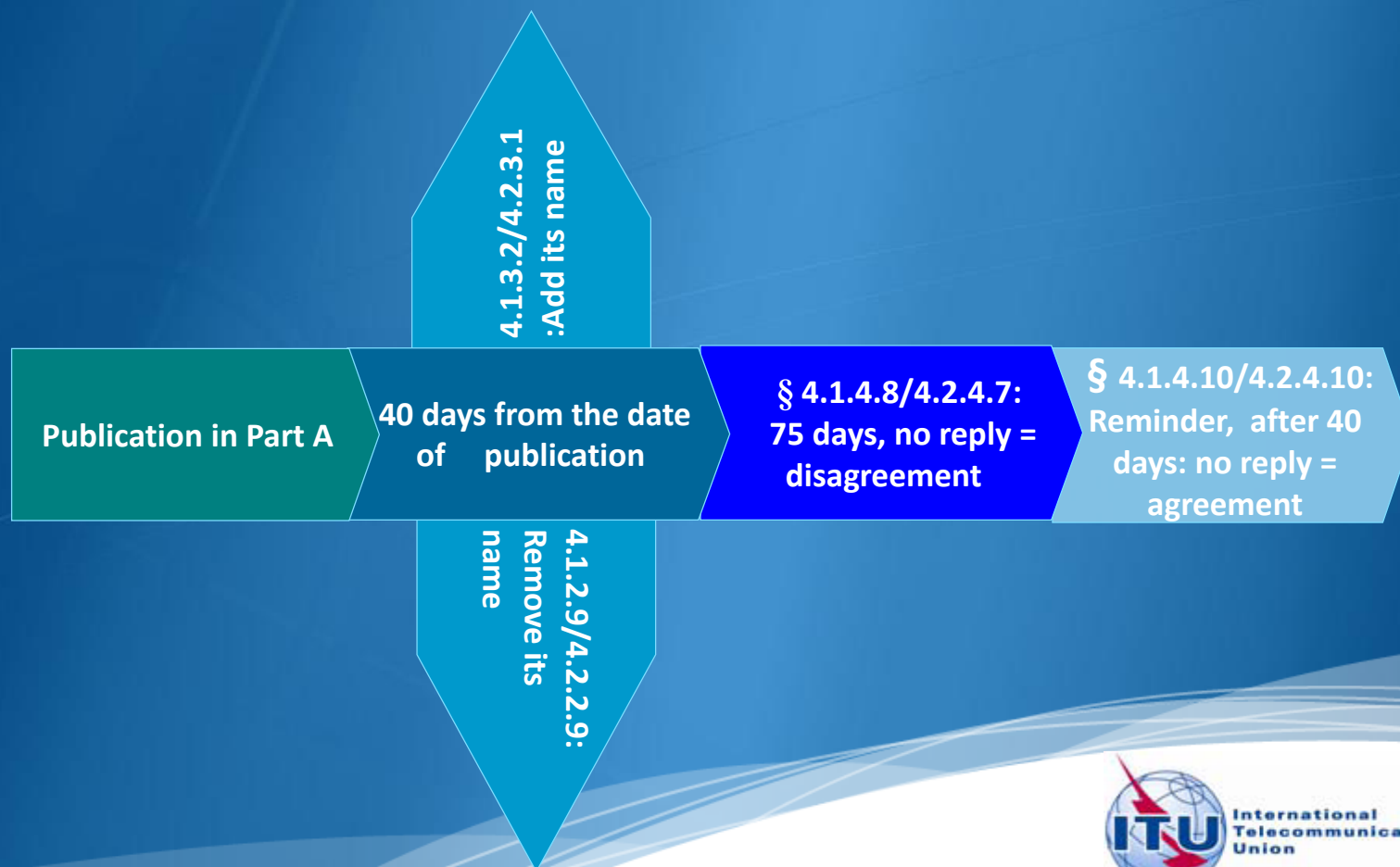


# Conformity examination: GE06D case

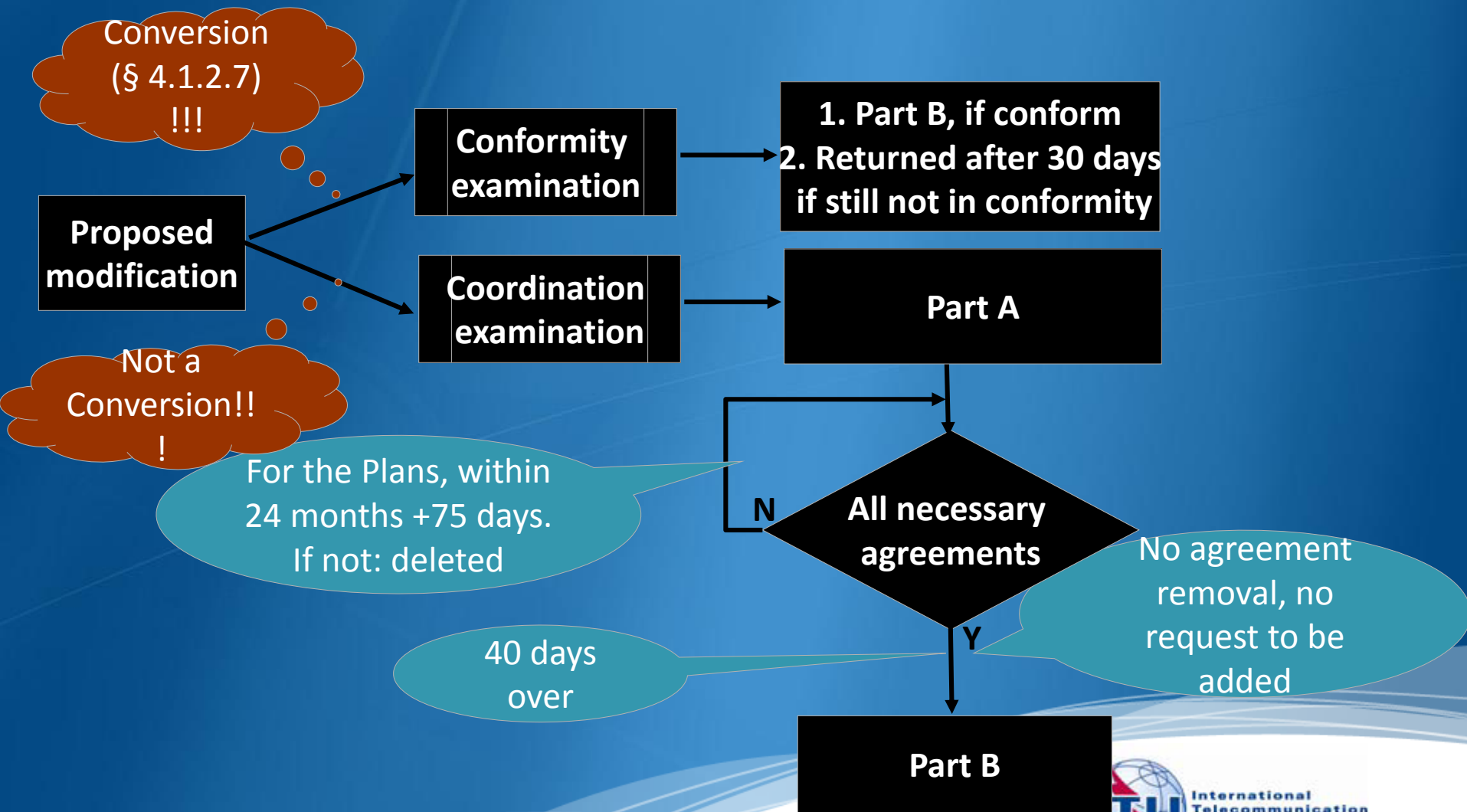
- Specific case: Submission of assignments stemming from an allotment being modified: Part A10 of Rules of procedures:



# Coordination with affected administrations



# Publication process—Article 4



# Specific features of coordination procedure

- No reply = no agreement
- Agreement (art4) can be provided for a **defined** duration
- No possibility to delete the remarks from the Plan entries in Article 4
- Deletion of the proposed modification of the Plans if not recorded after **24 months and 75 days**
- at the end of the **transition period**
  - All analogue assignments will be deleted
  - All Plan remarks with respect to analogue will be deleted

# What does it mean?

## End of Transition period?

- All analogue assignments will be deleted from the Plan
- All Plan remarks with respect to analogue will be removed
- GE06 provisions will not be applicable, anymore, to Analogue assignments.

## Article 11 of RR

### Notification procedure

- Article 5 of GE06 Agreement-
- Normal cases -

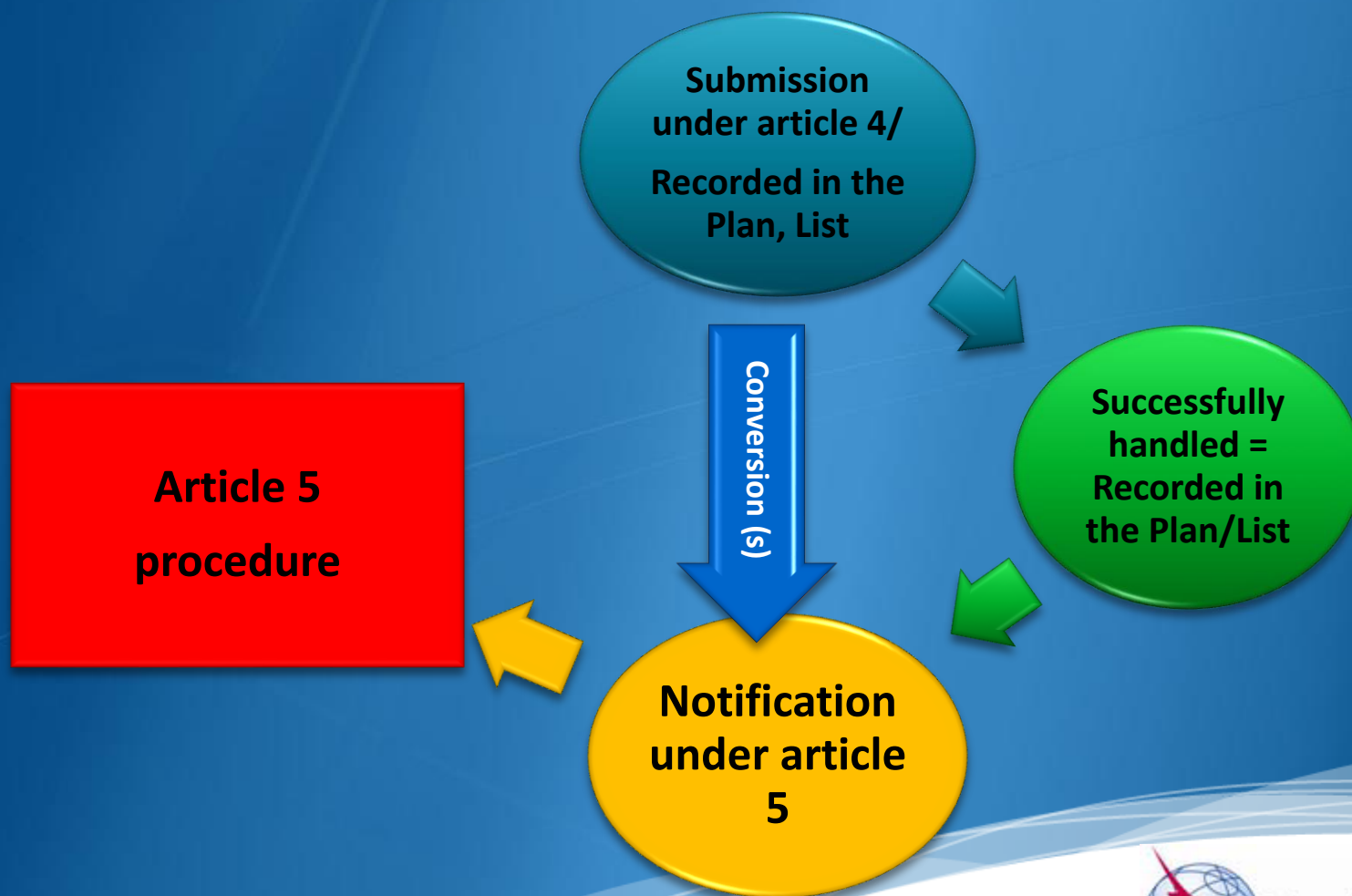


# Notification procedure GE06

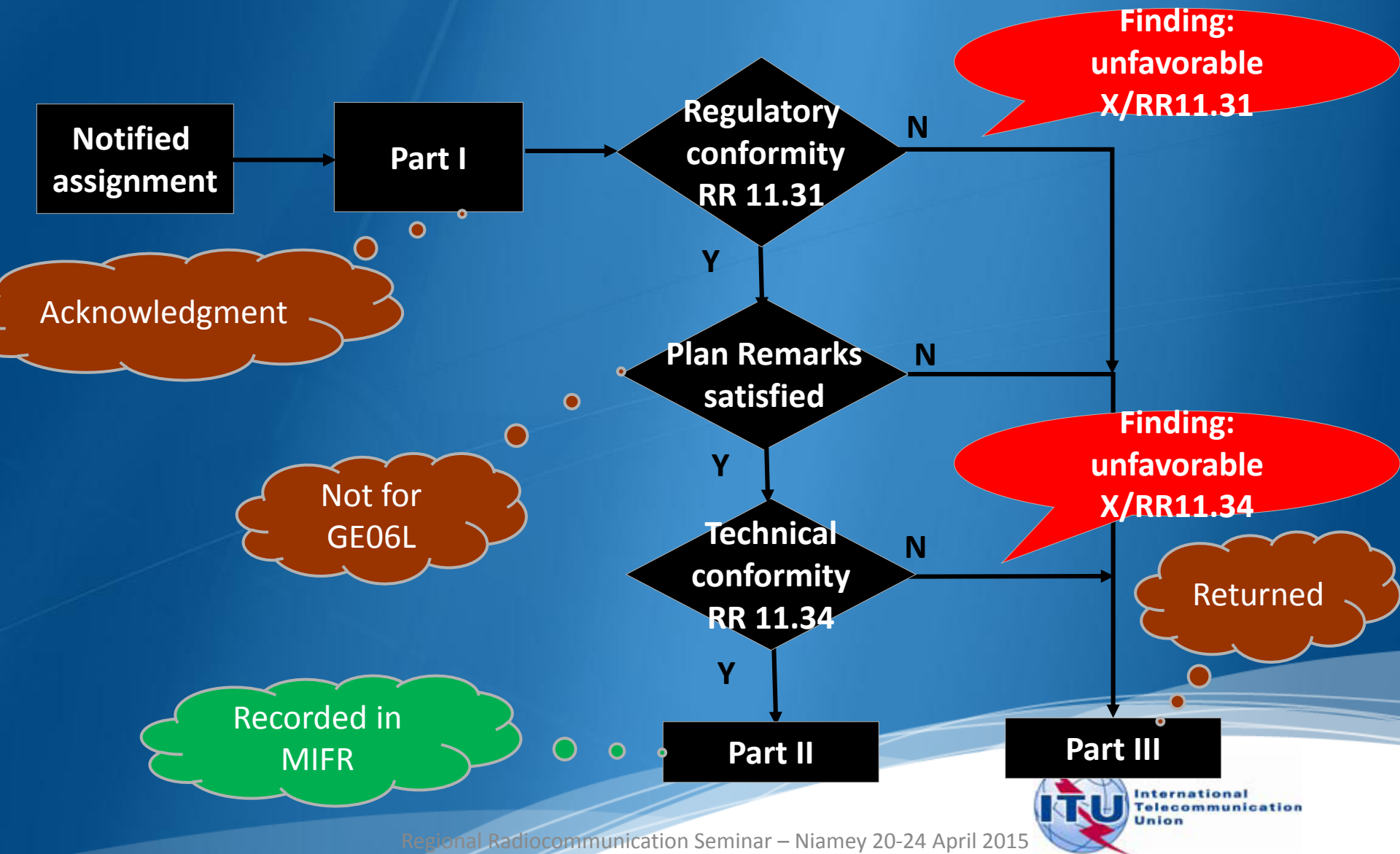


- *When an administration proposes to bring into use an assignment to a station, it shall notify to the Bureau, in accordance with the provisions of Article **11** of the Radio Regulations.*
- Before notifying, ensure that the relevant assignment is RECORDED in the relevant Plan:
  - Exception for the assignment stemming from allotment, which can be notified directly under article 5
- GE06A and D:
  - If Plan remarks, notify with all necessary agreements
  - Application of Section II of Annex 4

# Steps to MIFR recording



# Article 5 procedure



## Article 11 of RR

### Notification procedure

- Article 5 of GE06 Agreement-
- Other than normal cases -

# Article 5 of GE06: other cases

- Conversion of an assignment(s) from an allotment of the GE06 Plan
- Paragraphs 5.1.2e and 5.1.3

# Specificities of a conversion



- It is possible to notify directly applying article 5 of GE06 Agreement;
- The agreement from neighbouring administrations is necessary only when the allotment bears Plan Remarks.

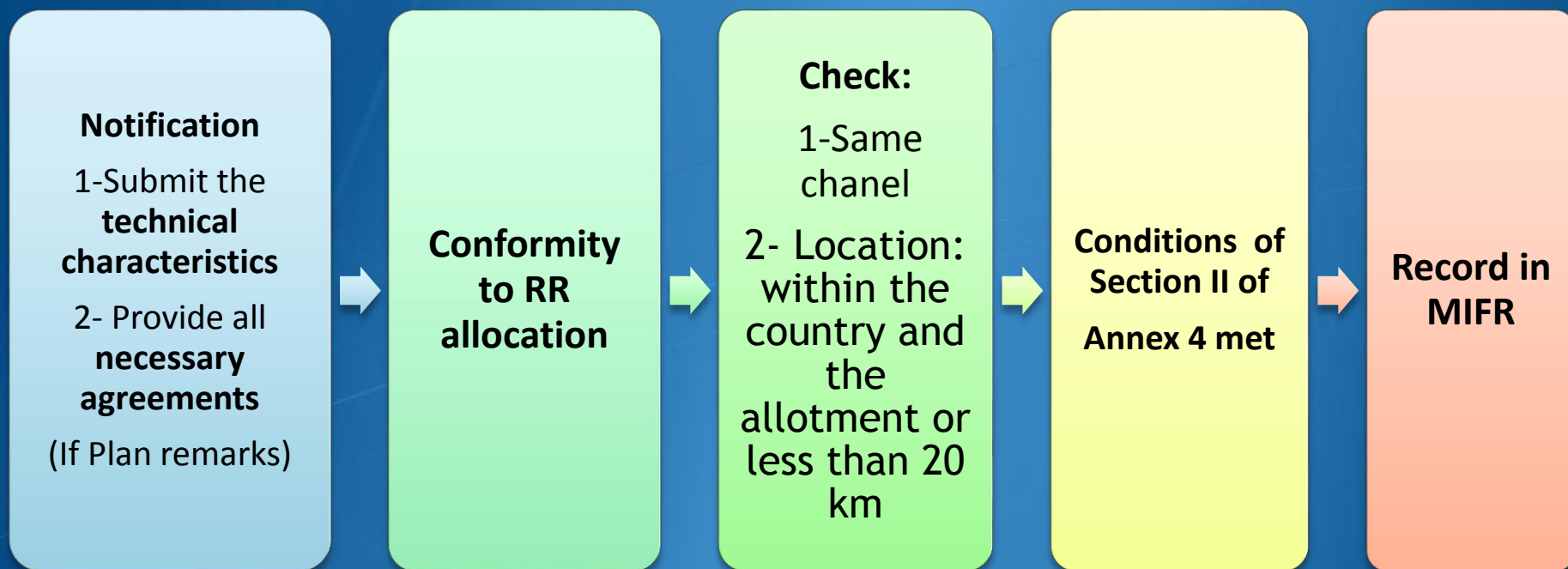


# Conditions of the conversion: Section II of Annex 4 of GE06 Agreement



- The **channel or block** of the digital Plan entry implementation is **the same** as that of the associated digital Plan entry.
- The assignment must be located:
  - **Within** the allotment area or in a distance of **less than 20 km** of the allotment borders,
  - Within the notifying country borders.
- The aggregate interference from the digital Plan entry implementation shall not be higher than the interference envelope arising from the digital Plan entry.

# Notification of a conversion



# Notification of DTT systems other than DVB-T and T-DAB

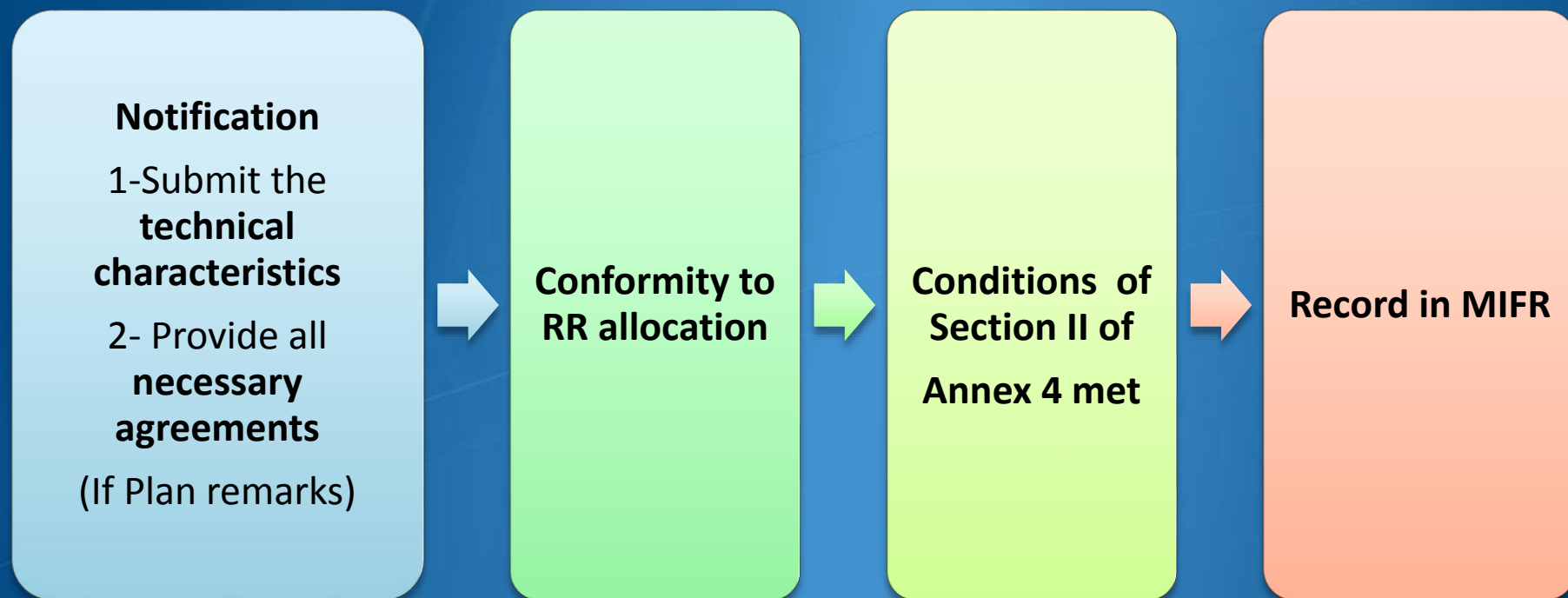


- **5.1.2e:** in the case of the use of an entry in the digital Plan, with different characteristics, within the DVB-T or T-DAB systems, the conditions specified in ***Section II of Annex 4*** are met.
- **5.1.3:** A digital entry in the Plan may also be notified with ***characteristics different*** from those appearing in the Plan, for transmissions in the ***broadcasting service or in other primary terrestrial services*** operating in conformity with the *Radio Regulations*, ***provided*** that the peak power density in any ***4 kHz*** of the above-mentioned notified assignments shall not exceed the spectral power density in the same ***4 kHz*** of the digital entry in the Plan. Such use shall not claim more protection than that afforded to the above-mentioned digital entry.

# Notification form for 5.1.2e

- As 5.1.2e is applied only for the notification of ***DVB-T and T-DAB systems*** :
  - The electronic notification form is **GS1**.

# Notification according to 5.1.2e



# Notification according 5.1.3



## Rules of Procedures - Part A10- Art5

- The Board understands that the examination of the **4 kHz condition** is only the **first step** that the Bureau would need to carry out under No. 5.1.3 of the GE06 Agreement.
- If the examination of the peak power density is **within the specified limits**, then the Bureau will proceed to **conformity examination** (Section II of Annex 4).
- Only **assignments** can be notified.
- Adm. needs to supply all the **relevant characteristics** that are necessary.
- If the digital Plan entry bears a remark, the Adm. shall provide all the necessary agreements.



# Notification conditions

## 5.1.3



- Operating in conformity with the Radio Regulations.
- the peak power density in any 4 kHz of the above-mentioned notified assignments shall not exceed the spectral power density in the same 4 kHz of the digital entry in the Plan.
- not claiming more protection than afforded to the associated Plan entry.
- Only assignment/No allotment

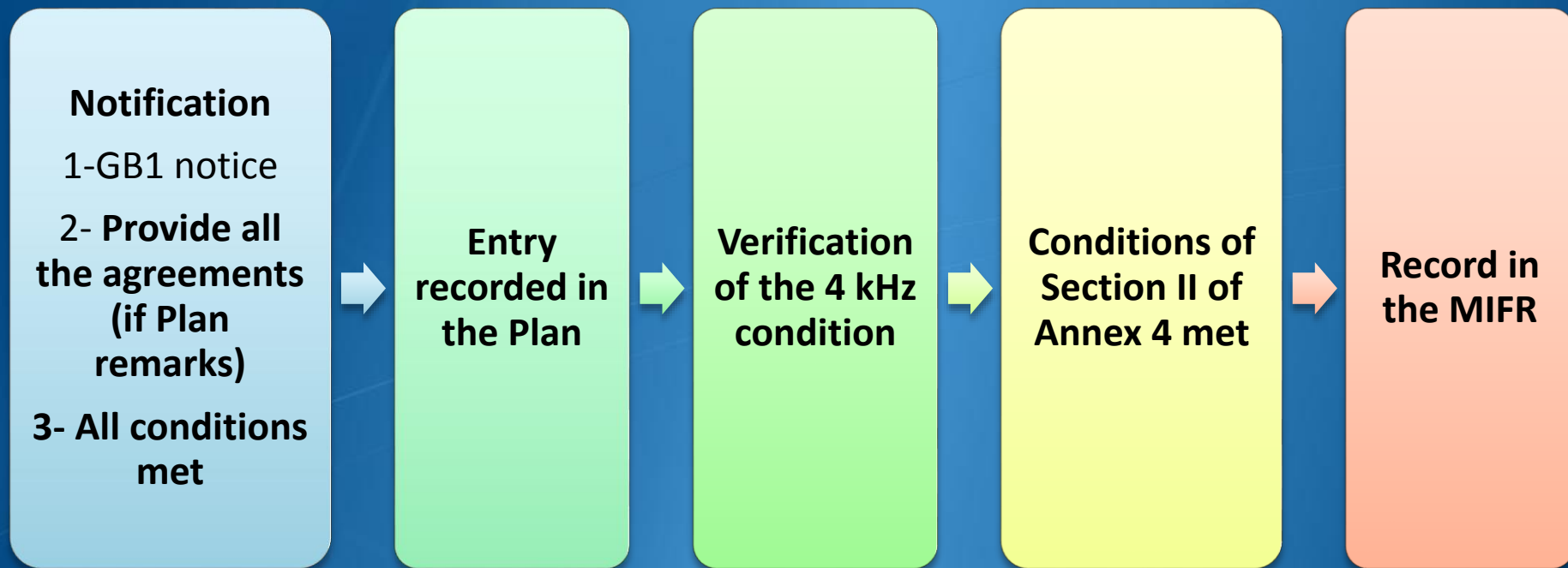
# Notification form for 5.1.3 (circular Letters CR/261 and 262)



- For a digital assignment in the Broadcasting service: **GB1**
- For an assignment in a Service other than Broadcasting: **G11, G12, G13, G14**
- For an analogue assignment in the Broadcasting service :**G02**

# Notification according to 5.1.3

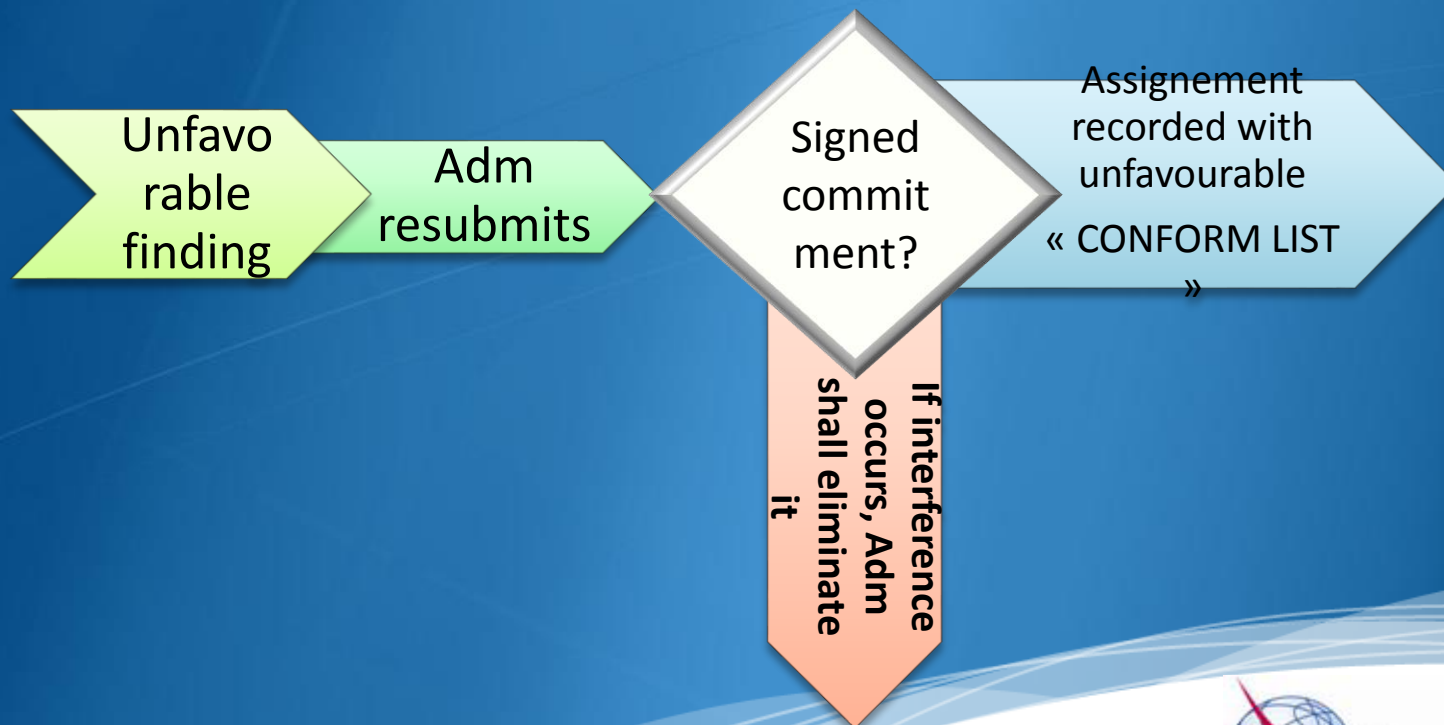
## Rules of Procedures - Partie A10



# Another chance... Resubmission

## ➤ 5.1.6 and 5.1.7 for the Plans

Without the signed commitment, the notice is returned to Adm.



*“Thanks for your attention!”*