



International Telecommunication Union



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RADIOCOMMUNICATION  
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# *REGIONAL AGREEMENT, GENEVA 2006: PLAN MODIFICATION AND NOTIFICATION PROCEDURES*

**Radiocommunication Bureau**  
International Telecommunication Union



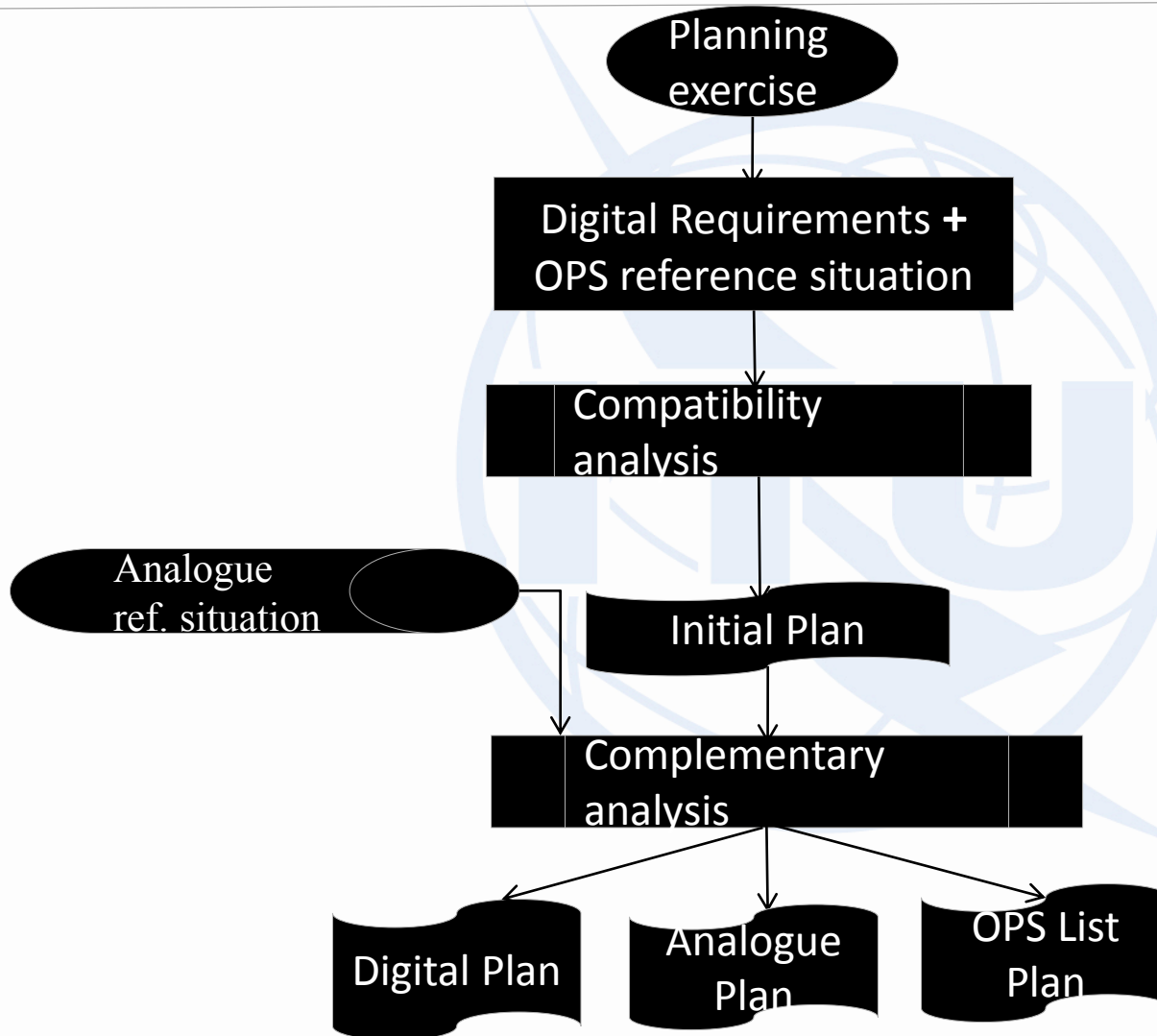
# OVERVIEW

- General aspects of GE06
- 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





# RRC-06 planning process





# GE06 at the end of RRC-06

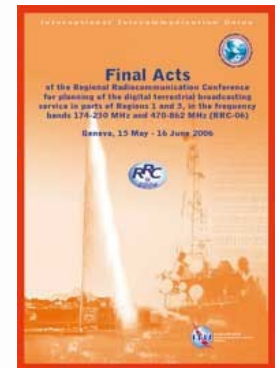
BAND	T-DAB	DVB-T
III	8379	6703
IV/V	----	55409
<b>Total Digital</b>	<b>70491 Assignments / Allotments</b>	

Source	Number
GE89	12746
ST61	72148
PLN_EXT	9615
MIFR	22
<b>Total Analogue</b>	<b>94531 assignments</b>



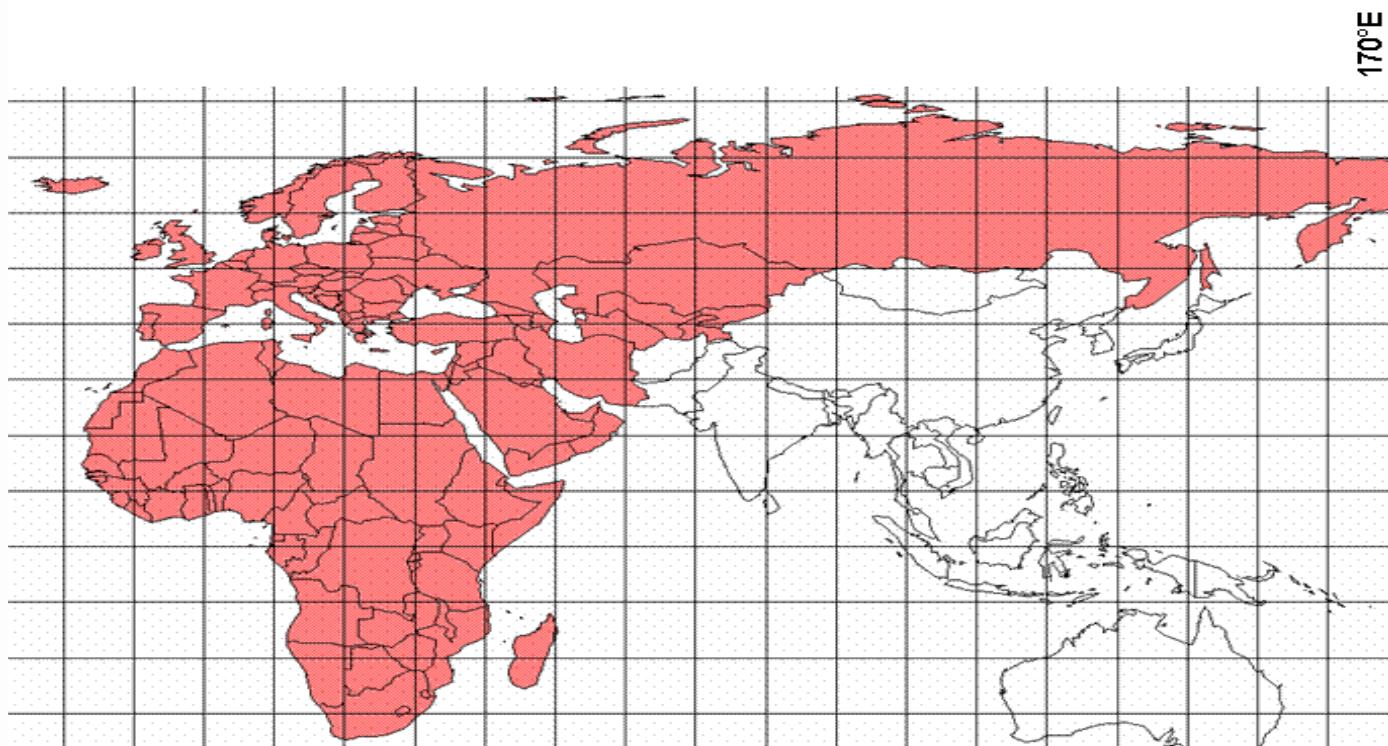
## General aspects -GE06 Agreement-

- **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*



# Basic definitions

- **Plans: No 1.10 of article 1 → §3.1 of article 3**
  - Digital: T-DAB and DVB-T assignments and allotments (planning:1.3.1 of Chapter 1 to Annex 2)
  - Analogue: Assignments
- **List:**
  - OPS – Nos.1.14 and 1.15 of Art.1
  - Description of OPS systems - Chapter 4, Annex 2



# 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**





**Article 4**

**- GE06 Agreement-**



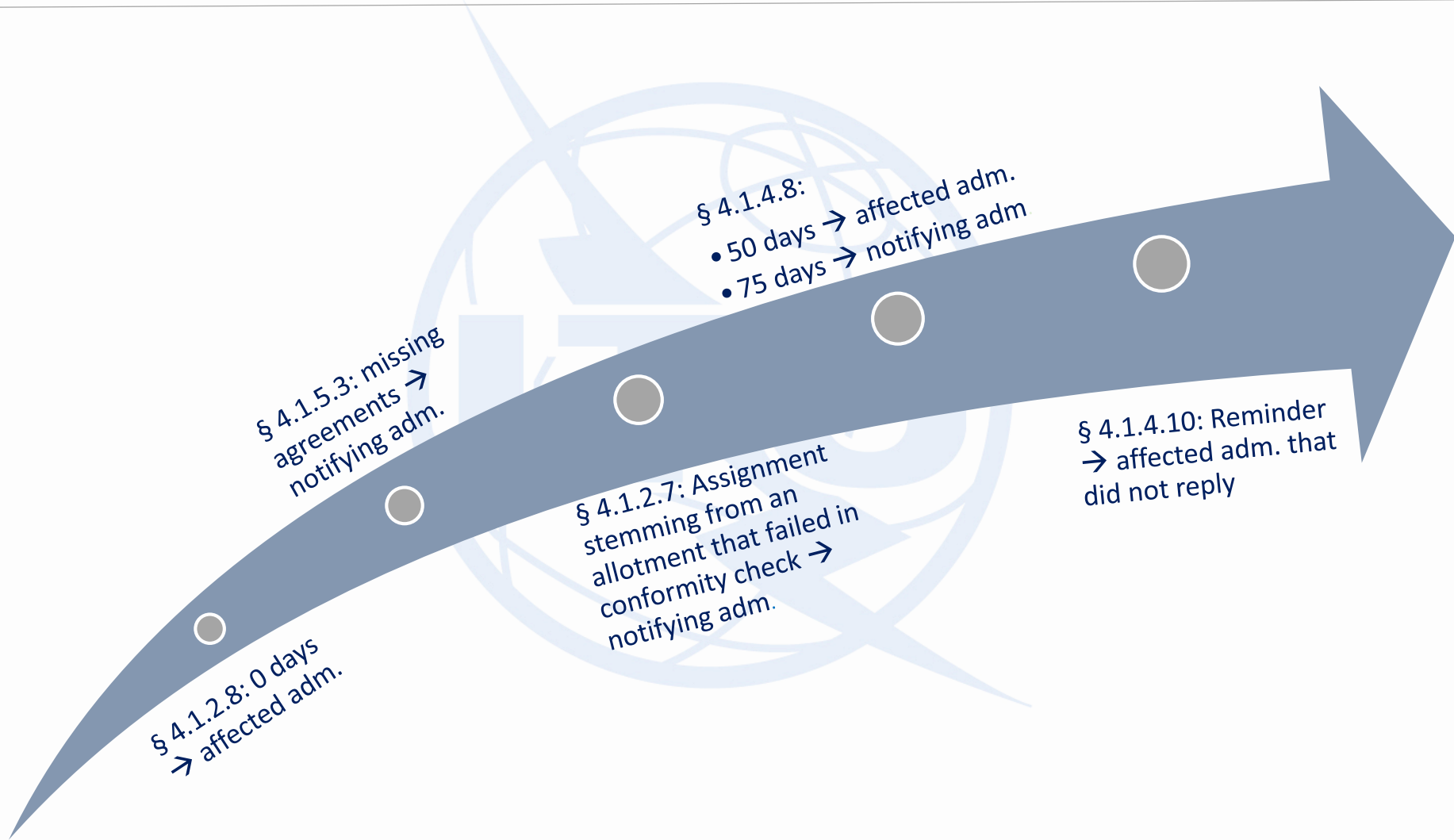
# Basic definitions

## 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.



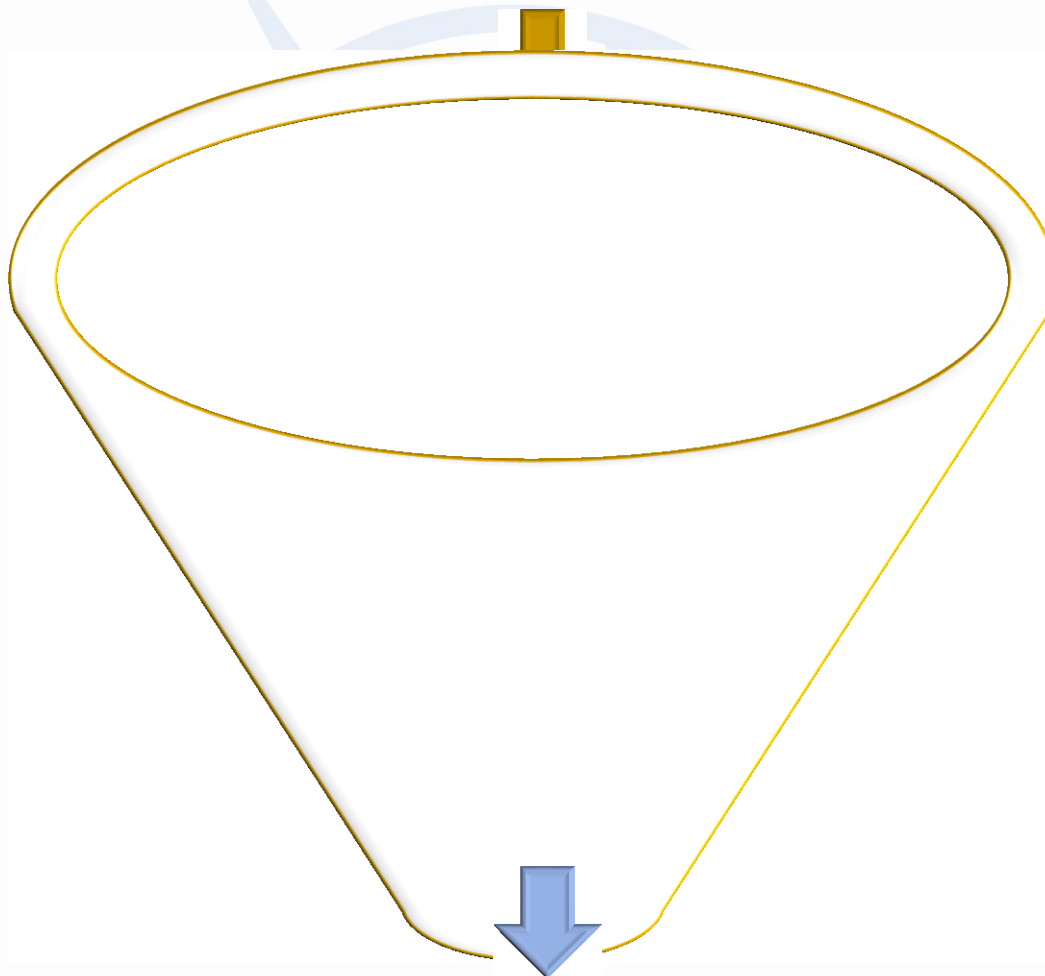
# Provisions of article 4 : informing administrations





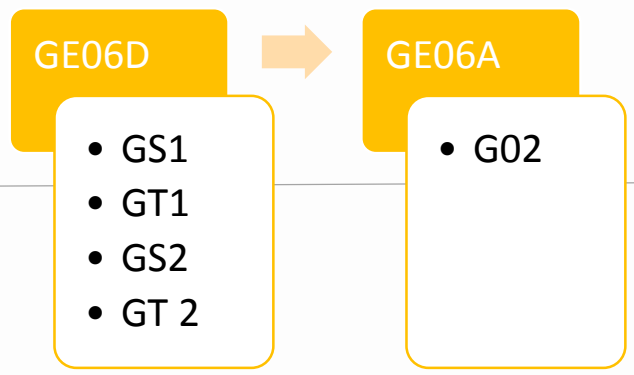
# Affected administration Rights

(within 40 days from the publication day)





# Article 4 procedures



## Normal procedure: Pub\_req=FALSE



## Shortcut procedure Pub\_req= TRUE



## Converted assignment (Only GE06D)





# Conformity examination Article 4

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

Submission of  
assign stemming  
from an allotment  
§4.1.2.7

channel or block of  
the digital Plan  
entry  
implementation is  
the same as that of  
the associated DPE

Aggregate  
interference from  
the DPE  
implementation  
 $\leq$ interference  
envelope arising  
from the DPE

Part B publication

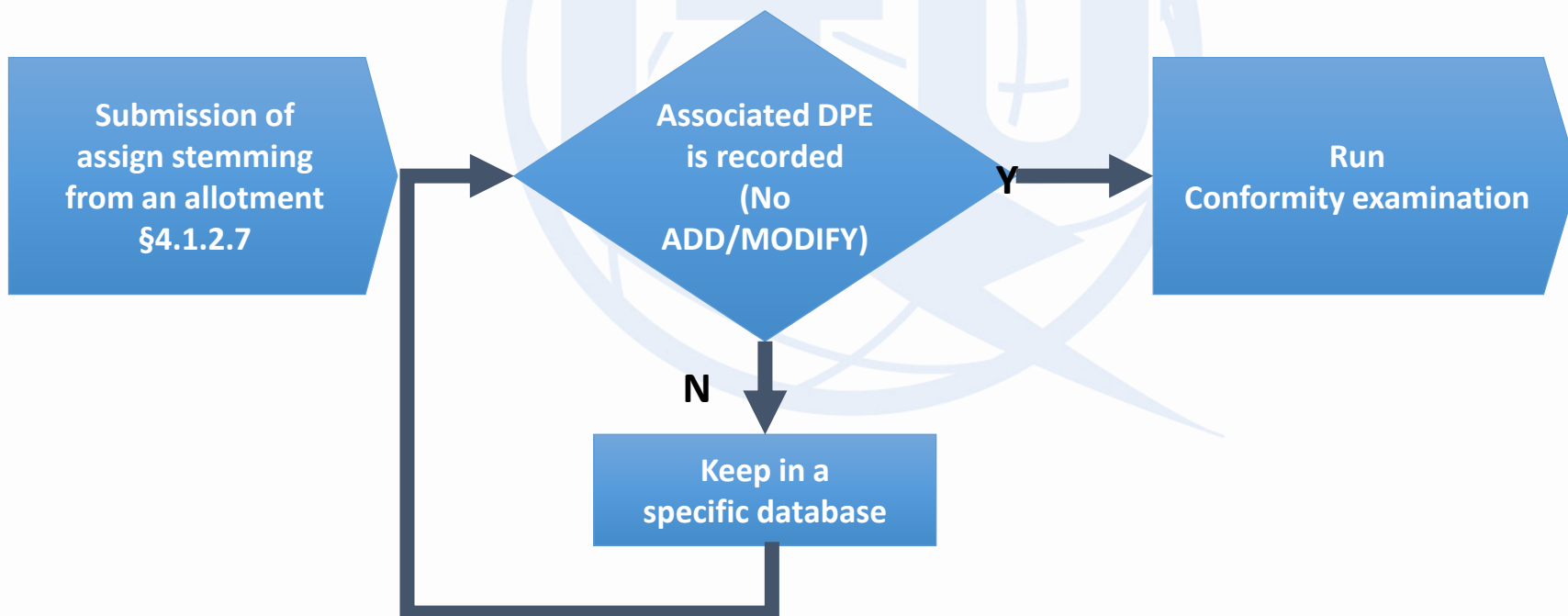


- ☒ No coordination information is necessary
- ☒ 'Plan Remarks' remain the same as in the allotment
- ☒ It is recommended to carry out unofficial check on conformity before submission to the BR



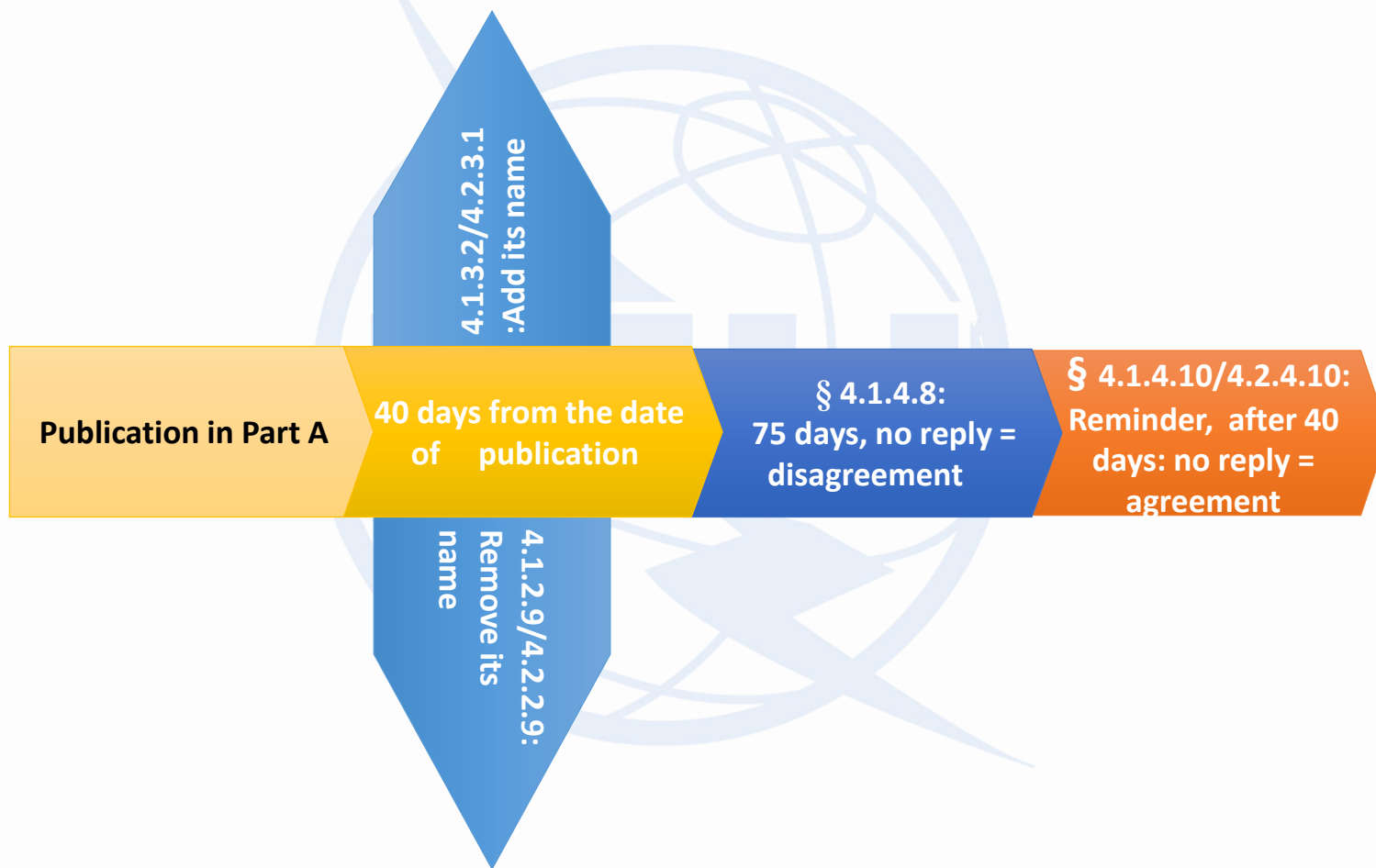
# Conformity examination: GE06D case

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





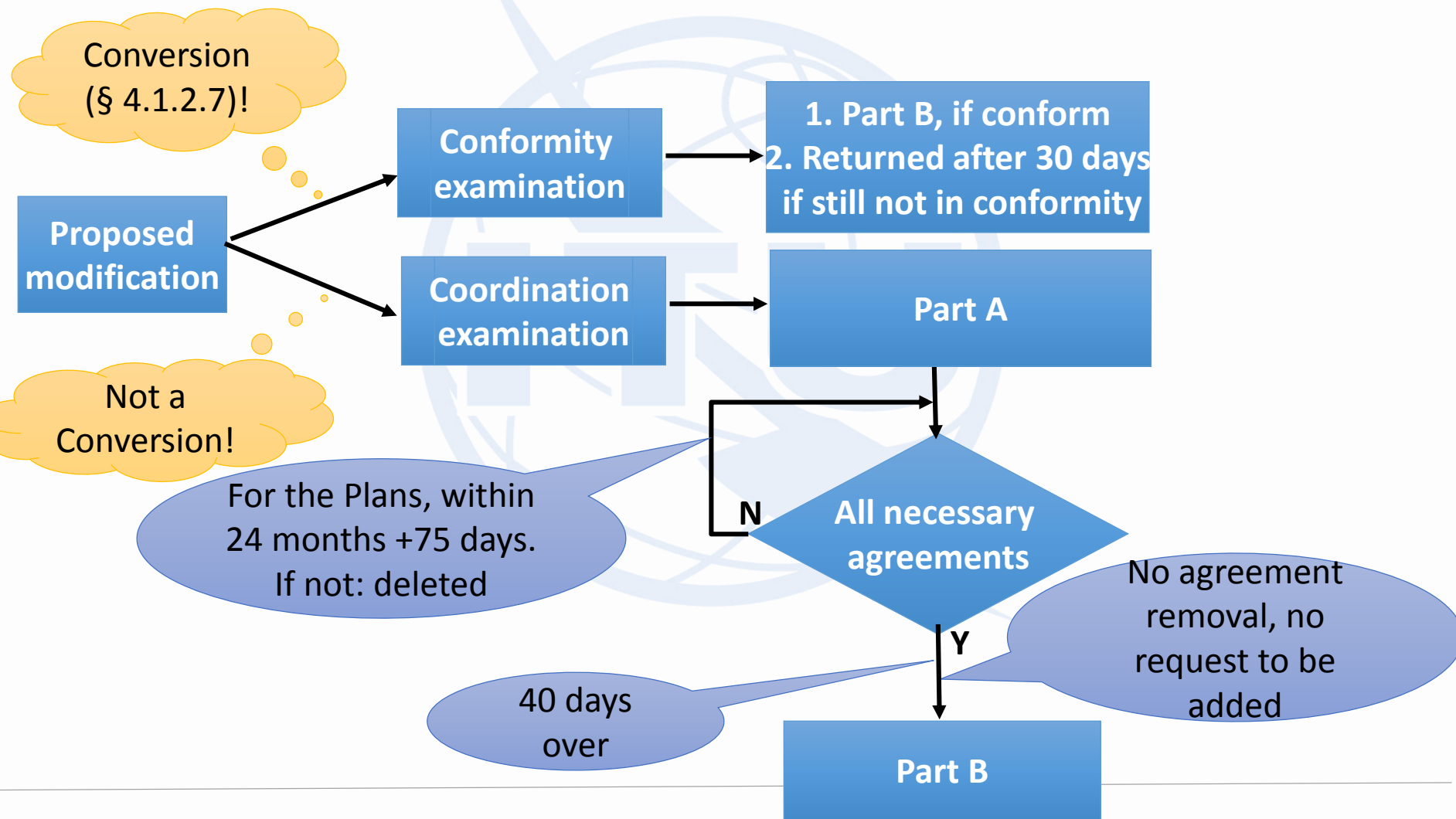
# Coordination with affected administrations







# Publication process—Article 4





# Specific features of coordination procedure

<b>No reply?</b>	<b>Temporary Agreement? (art4)</b>	<b>Delete the Plan Remarks?</b>	<b>Proposed modification of the Plans if not recorded after 24 months and 75 days?</b>	<b>End of the transition period?</b>
<ul style="list-style-type: none"><li>• No agreement</li></ul>	<ul style="list-style-type: none"><li>• for a defined duration</li></ul>	<ul style="list-style-type: none"><li>• Not possible</li></ul>	<ul style="list-style-type: none"><li>• Deleted</li></ul>	<ul style="list-style-type: none"><li>• All analogue assignments will be deleted</li><li>• All Plan remarks with respect to analogue will not be taken into account</li></ul>



# Transition period

The *Transition period* started on **17 June 2006** at **0001 hours UTC**:

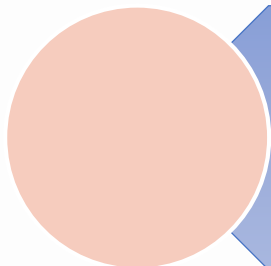
- assignments in the analogue Plan (as specified in § 3.1.2 of Article 3) shall be protected.

➤ **The *Transition period* shall end :**

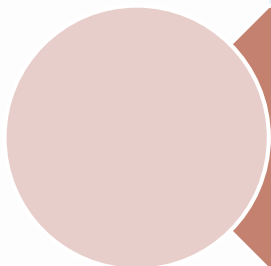
- VHF Band :
  - on **17 June 2015** at 0001 hours UTC;
  - on **17 June 2020** at 0001 hours UTC for the countries listed in GE06 Agreement
- UHF Band :
  - on **17 June 2015** at 0001 hours UTC All countries



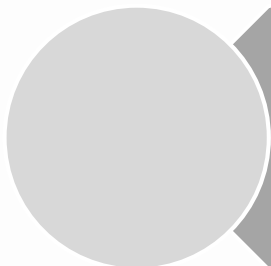
# End of transition period



All analogue assignments are deleted from the Plan



Plan remarks with respect to analogue assignments will not be taken into account



GE06 provisions are not applicable, anymore, to analogue assignments.



# Post transition Period

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- Circular letter: 31B(DIR/TSD)O-2015-001942 of 17 June 2015
  - List 1- Assignments that will be cancelled from the GE06 analogue Plan.
  - List 2- Assignments recorded in the MIFR having corresponding entries in the GE06 analogue Plan.
  - List 3- Assignments recorded in the MIFR having no corresponding entries in the GE06 analogue Plan.



# 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:

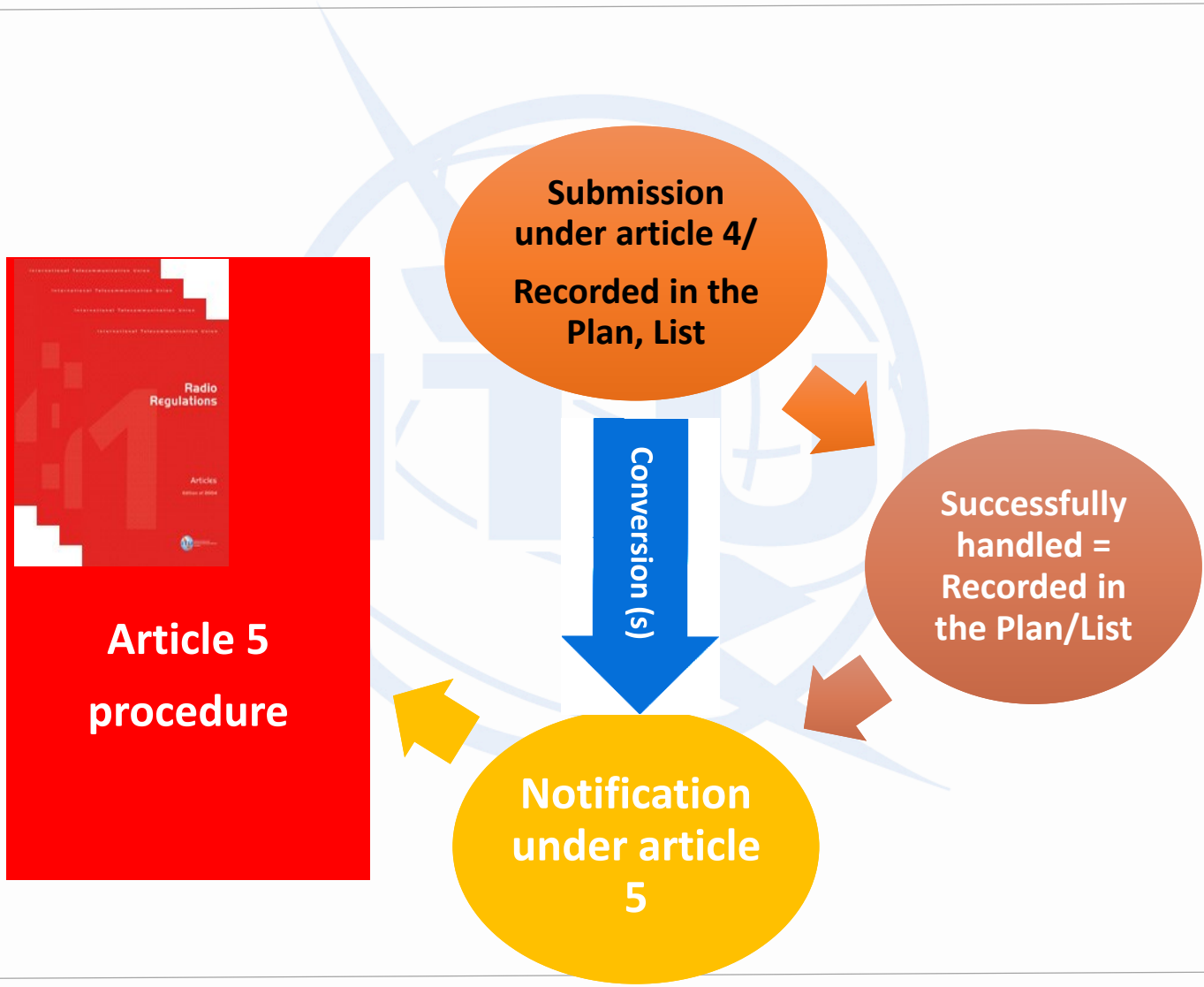
- Exception for the assignment stemming from allotment, which can be notified directly under article

**GE06A and D:**

- If Plan remarks, notify with all necessary agreements
- Application of Section II of Annex 4



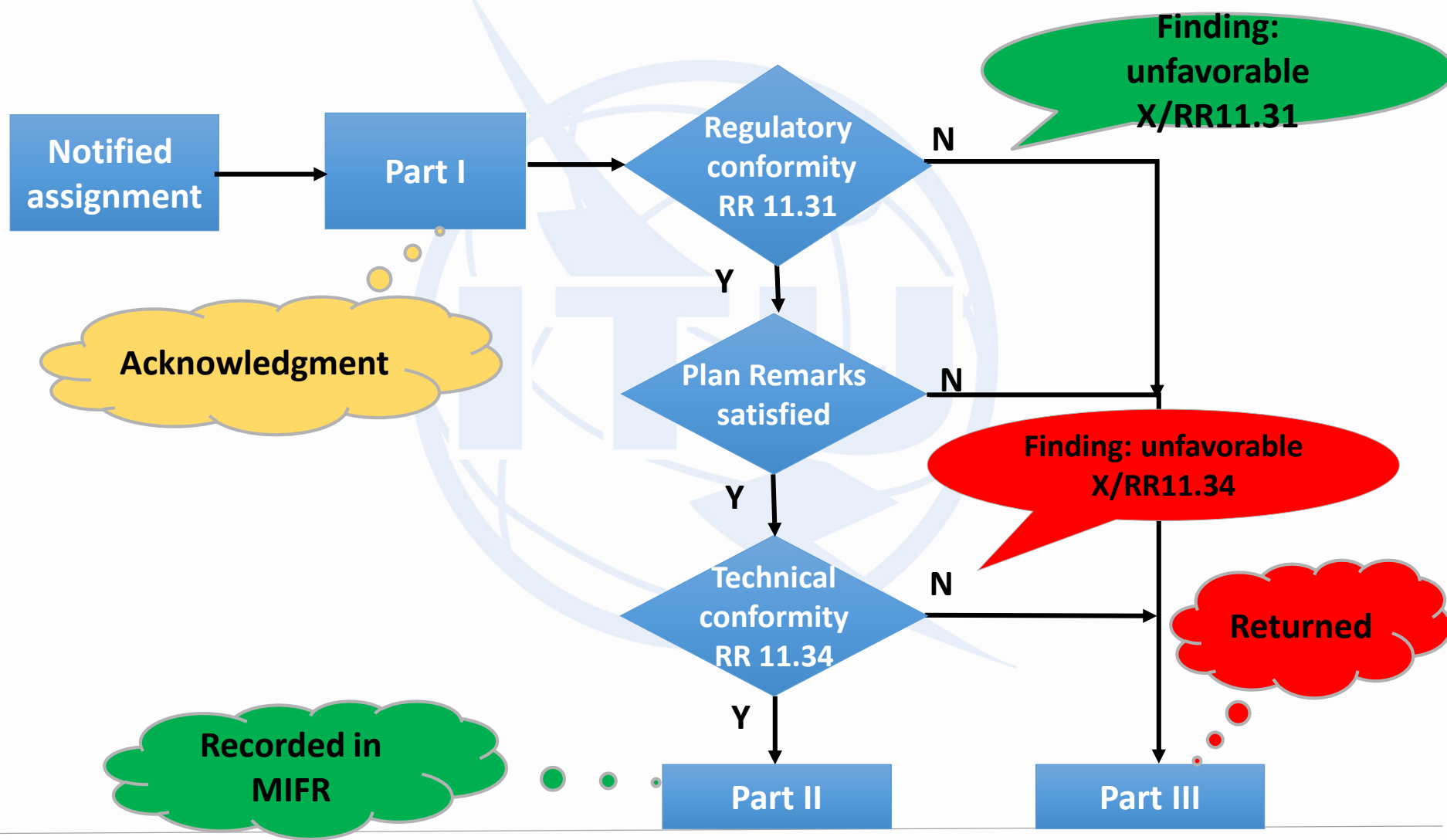
# Steps to recording in the MIFR







# Article 5 procedure





# Article 5 of GE06: Specific cases

## Assignment(s) stemming from an allotment

- 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.

## Provision 5.1.2<sup>e</sup>

- **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.

## Provision 5.1.3

- **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.



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

The **channel/block** of the digital Plan entry implementation is **the same** as that of the associated digital Plan entry.

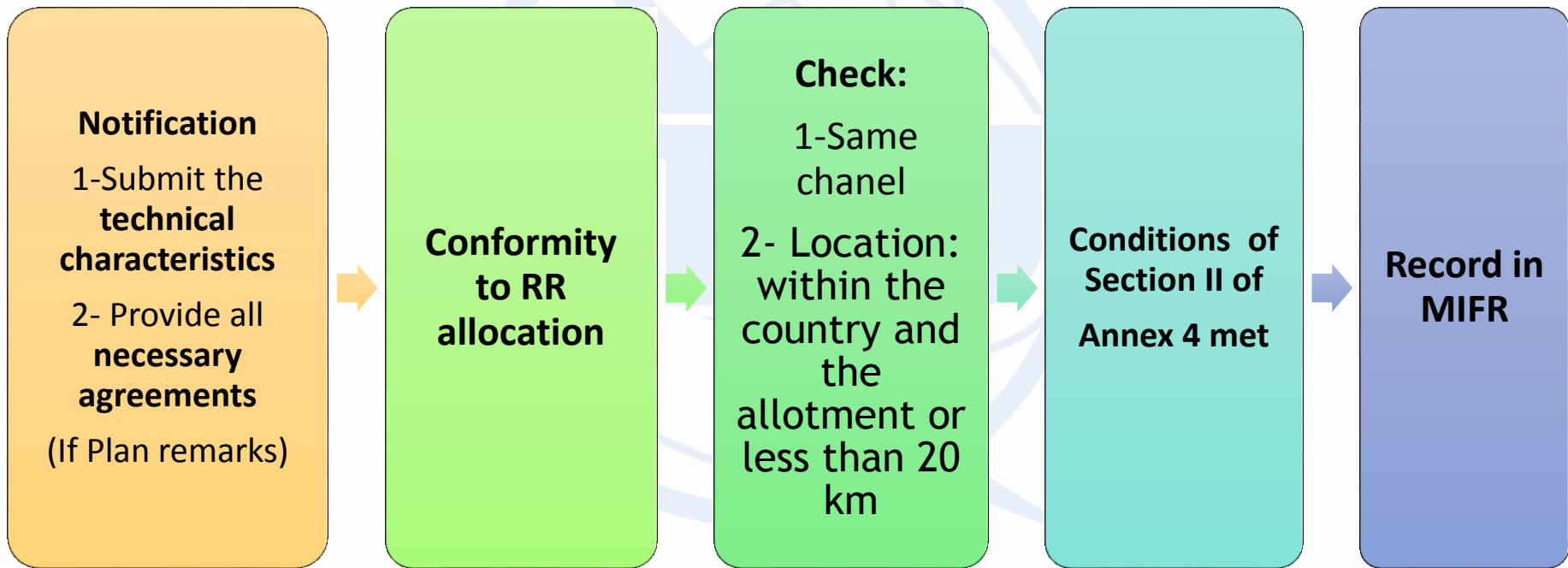
The assignment must be located:

- **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





# Article 5 of GE06: Specific cases

## Assignment(s) stemming from an allotment

- 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.

## Provision 5.1.2<sup>e</sup>

- **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.

## Provision 5.1.3

- **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.

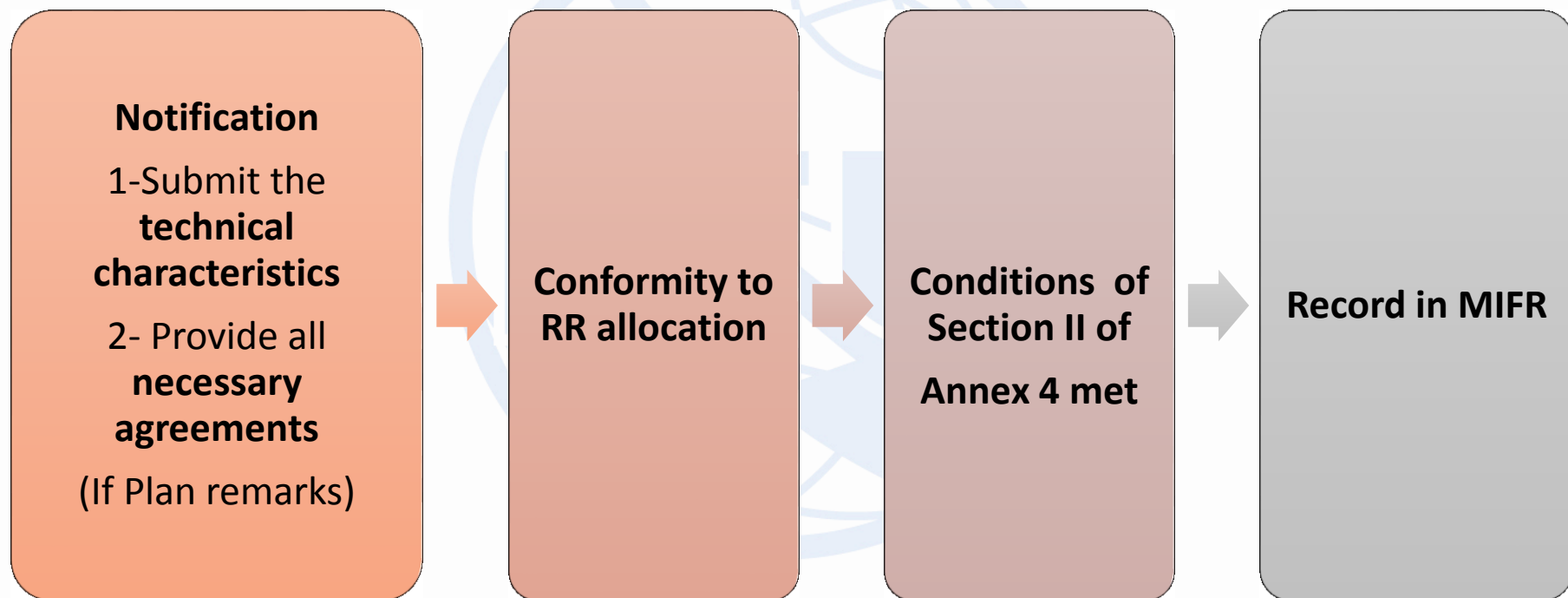


# Notification form for 5.1.2e

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



# Notification according to 5.1.2e





# Article 5 of GE06: Specific cases

## Assignment(s) stemming from an allotment

- 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.

## Provision 5.1.2<sup>e</sup>

- **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.

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- Such use shall not claim more protection than that afforded to the above-mentioned digital entry.





# Notification according to 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).
- 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 form for 5.1.3 (circular Letters CR/261 and 262)

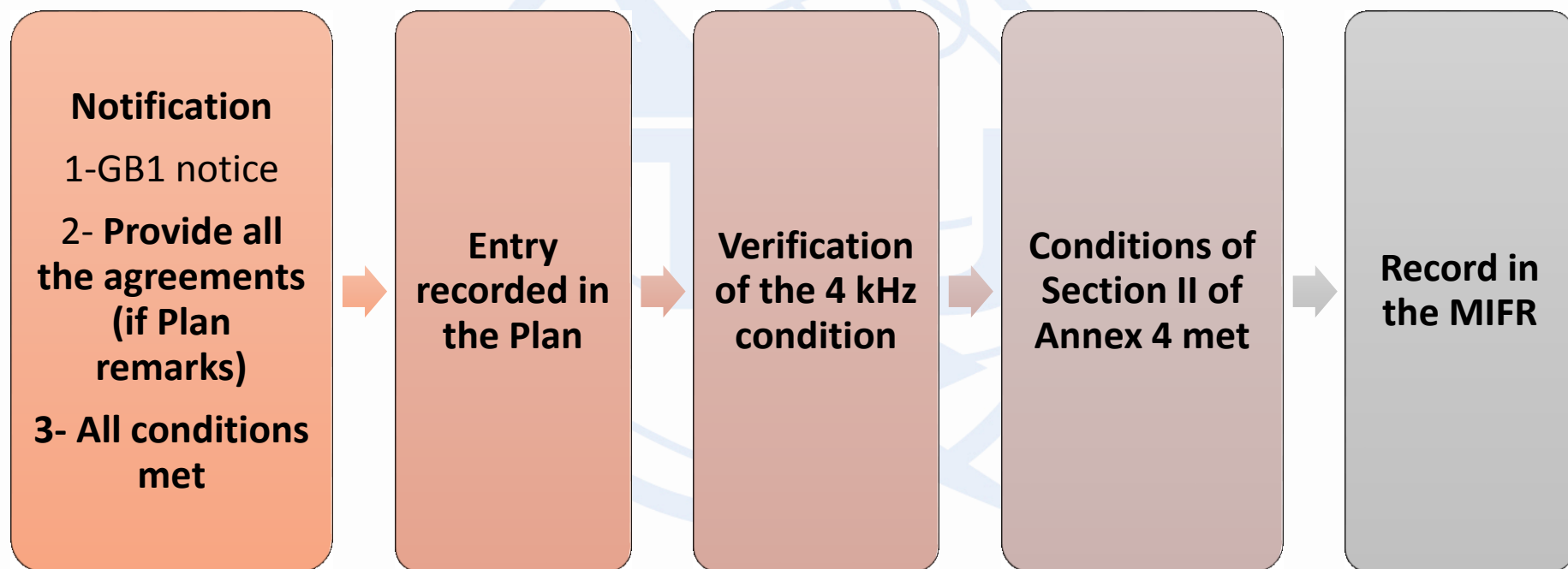
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- For a digital assignment in the Broadcasting service: **GB1**
- For an assignment in a Service other than Broadcasting: **G11, G12, G13, G14**
- For an analogue assignment in the Broadcasting service :**G02**



# Notification according to 5.1.3

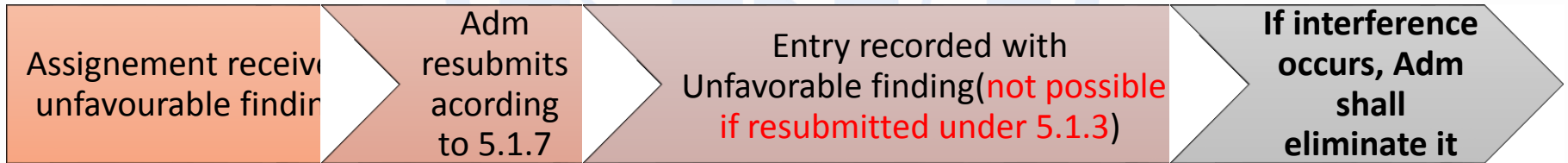
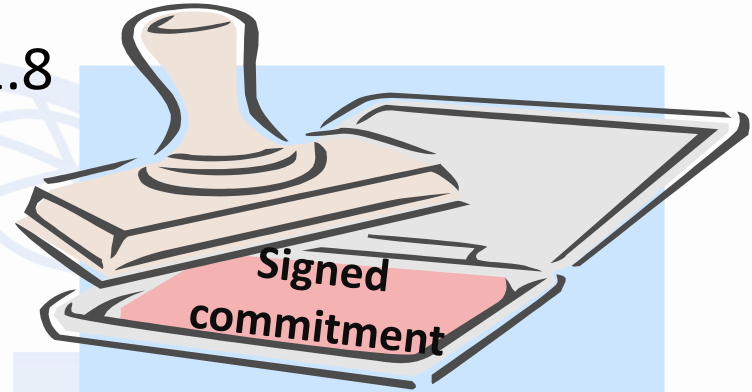
## Rules of Procedures - Partie A10





# Another chance... Resubmission

- Provisions 5.1.6, 5.1.7 and 5.1.8



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



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## Thank you

## [brbcd@itu.int](mailto:brbcd@itu.int)