



International
Telecommunication
Union

Committed to connecting the world

REGIONAL AGREEMENT, GENEVA 2006: PLAN MODIFICATION AND NOTIFICATION PROCEDURES

Ilham Ghazi

Ilham.ghazi@itu.int
Radiocommunication
Engineer
BR



International
Telecommunication
Union

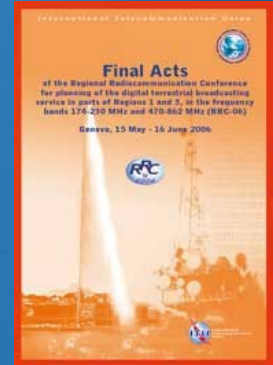
OVERVIEW

- 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
-

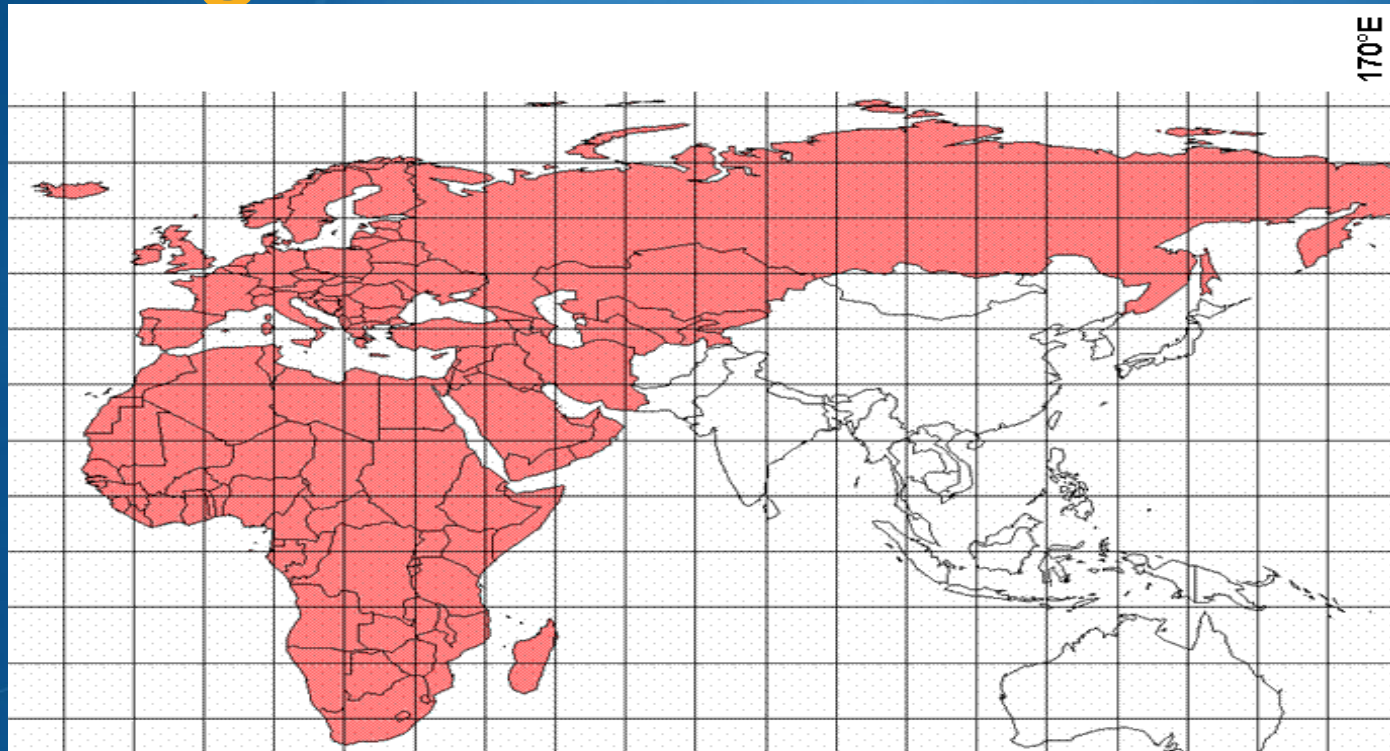


General aspects -GE06 Agreement-

- Entry into force: 17 June 2007
 - *Provisionnaly 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*

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 - 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
(Plans/List)

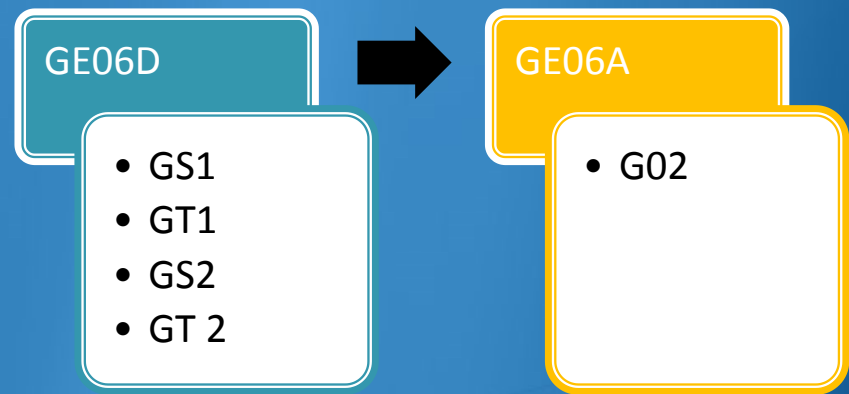
- § 4.1.2.8/4.2.2.6: 0 days → affected adm.
- § 4.1.5.3/4.2.5.3: missing agreements → notifying adm.
- § 4.1.2.7/- : Assignment stemming from an allotment that failed in conformity check → notifying adm.
- § 4.1.4.8/4.2.4.7,4.2.4.9:
 - 50 days → affected adm.
 - 75 days → notifying adm.
- § 4.1.4.10/4.2.4.10: Reminder → affected adm. that did not reply

Affected administration Rights

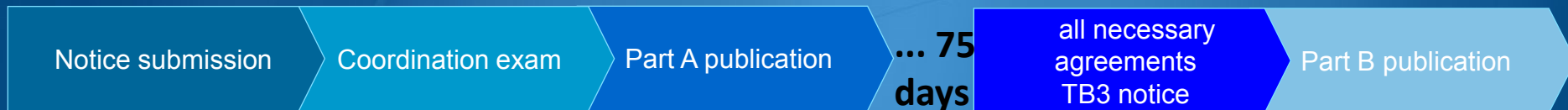
within 40 days from the date of publication

- § 4.1.2.9/4.2.2.7: Request the *Bureau* to remove its name from the list of administrations having given their agreement
- § 4.1.3.2/4.2.3.1: Request the *Bureau* to be included in the list of administrations considered to be affected (giving its reasons for doing so based on criteria in Section I of Annex 4).

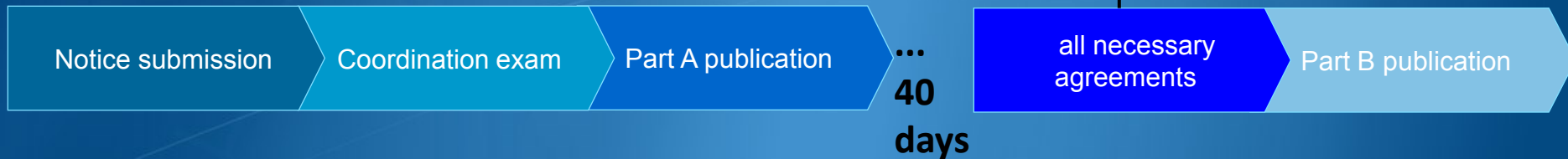
Article 4 procedures



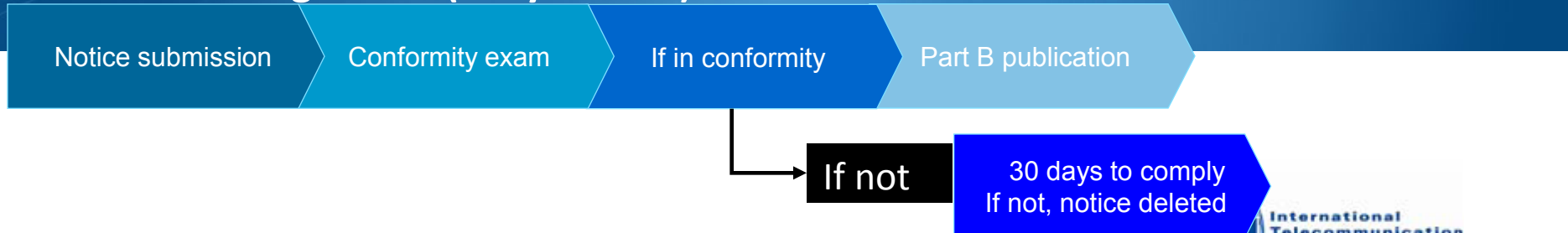
Normal procedure: Pub_req=FALSE



Shortcut procedure Pub_req= TRUE



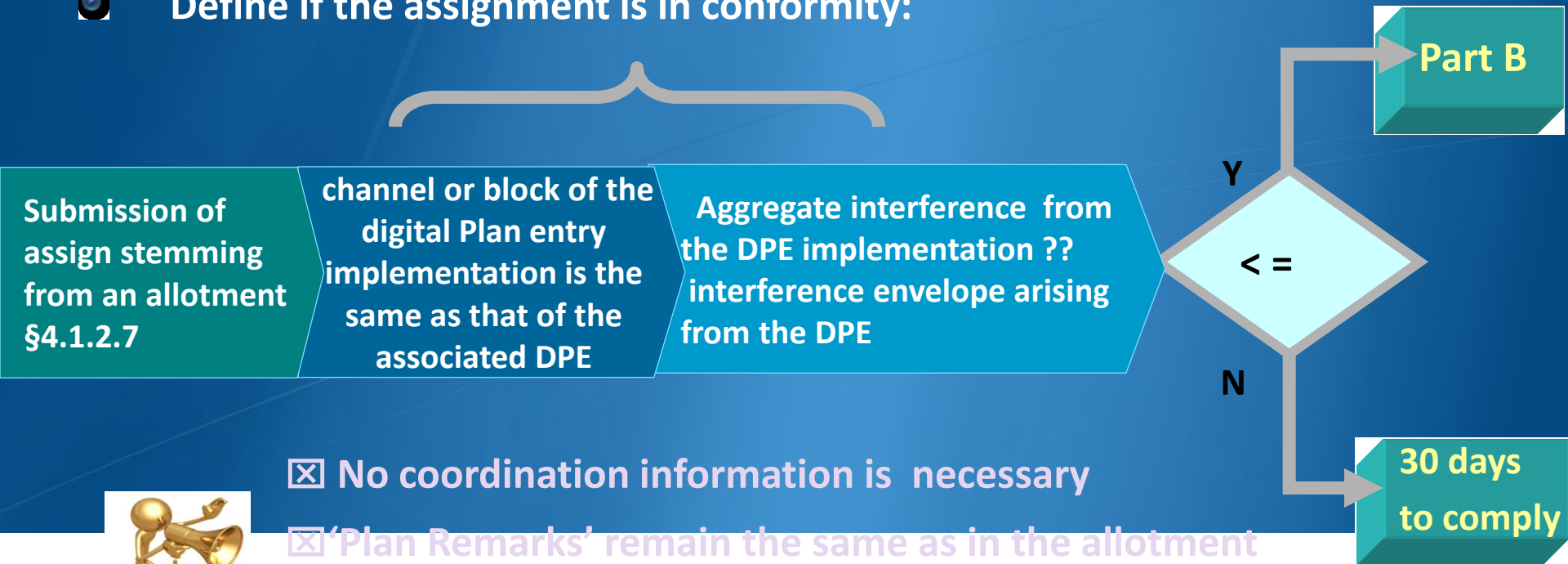
Converted assignment (Only GE06D)



Conformity examination

Article 4

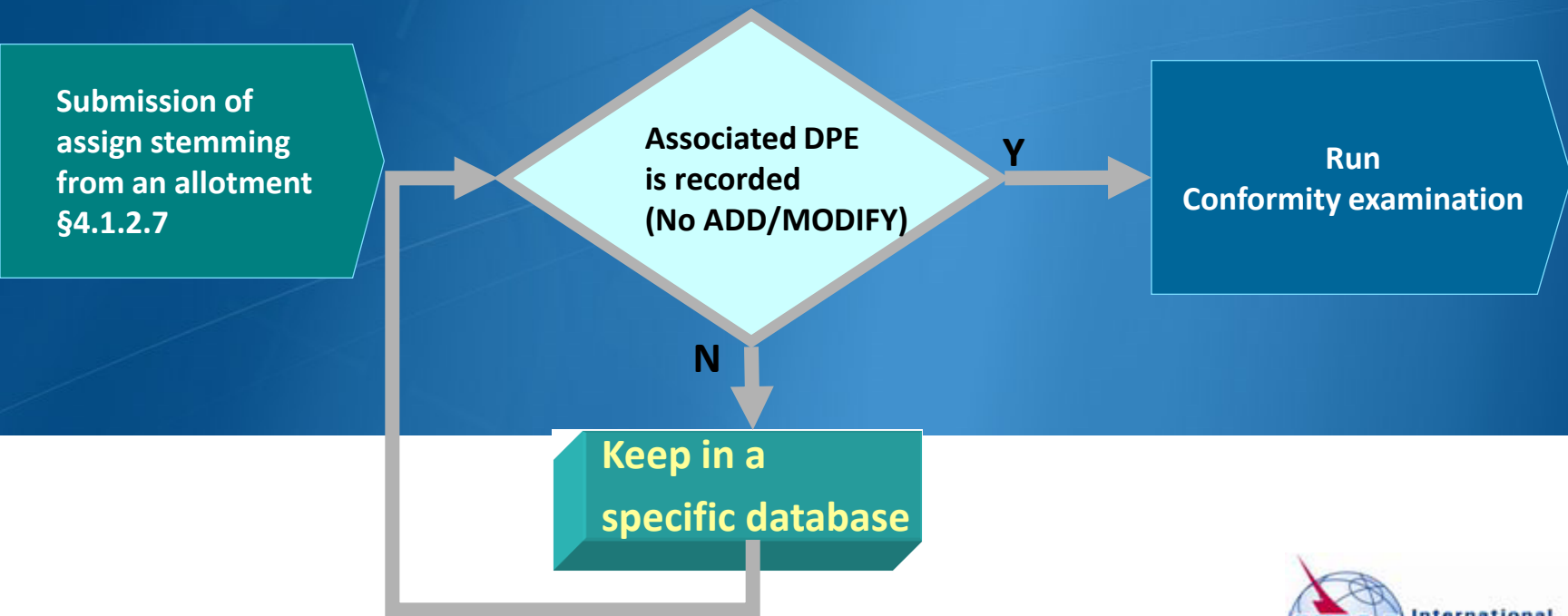
- Specific to GE06D **ONLY** ;
- Section II of appendix 4;
- Define if the assignment is in conformity:



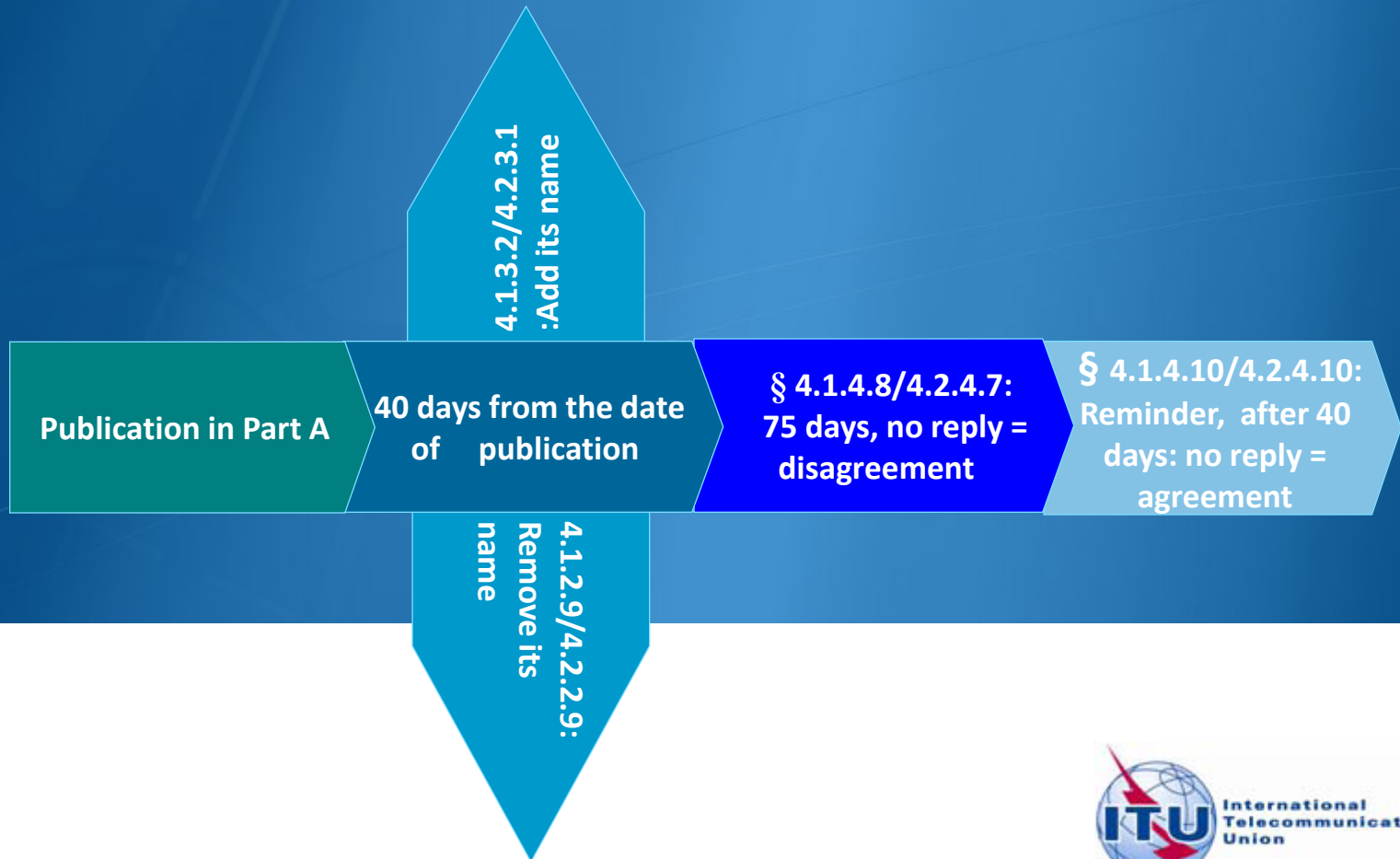
- ☒ No coordination information is necessary
- ☒ 'Plan Remarks' remain the same as in the allotment
- ☒ The submission to comply should be clearly mentioned

Conformity examination GE06D case

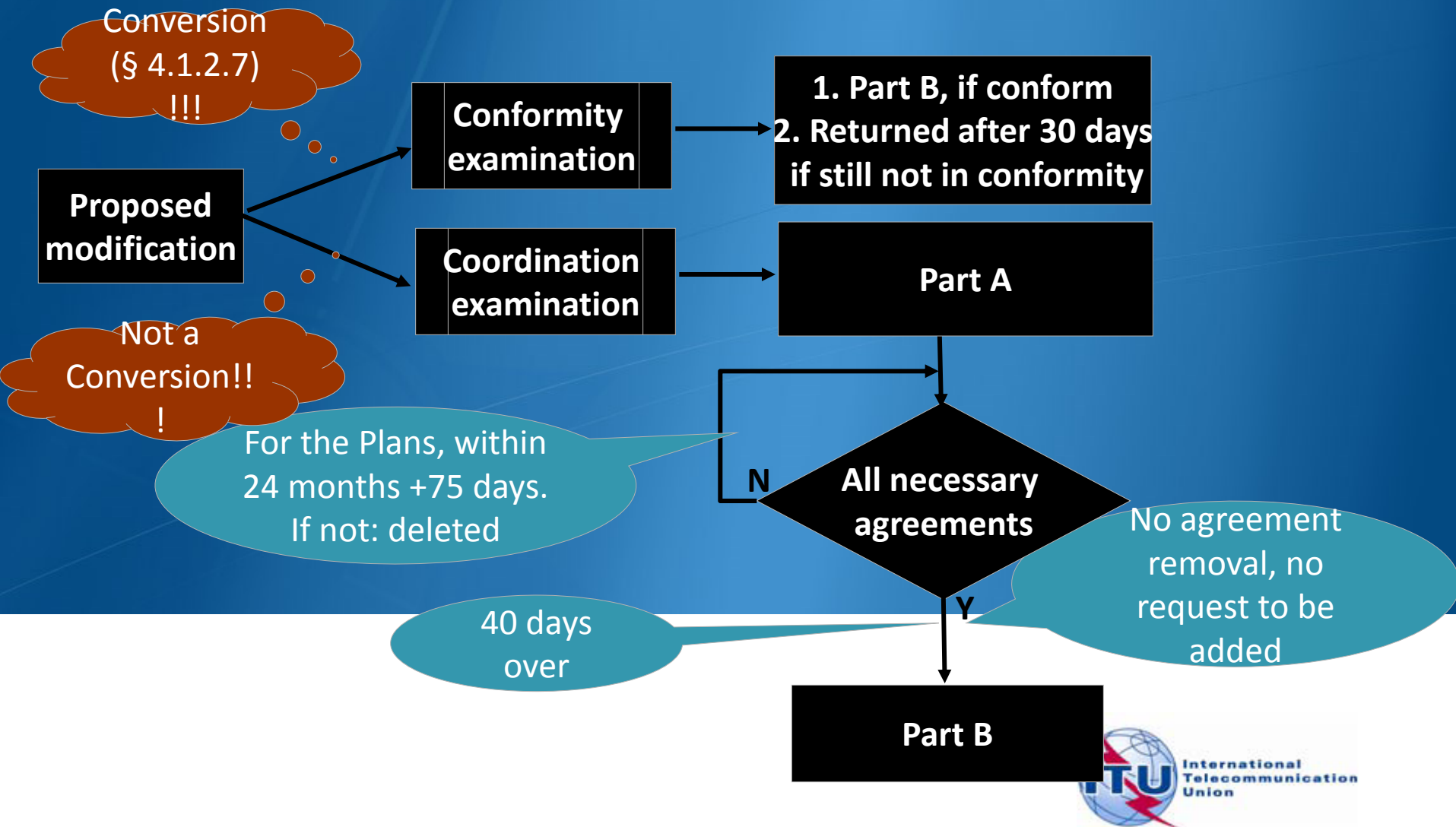
- Specific case: Submission of assignments stemming from an allotment being modified: Part A10 of Rules of procedures:



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

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

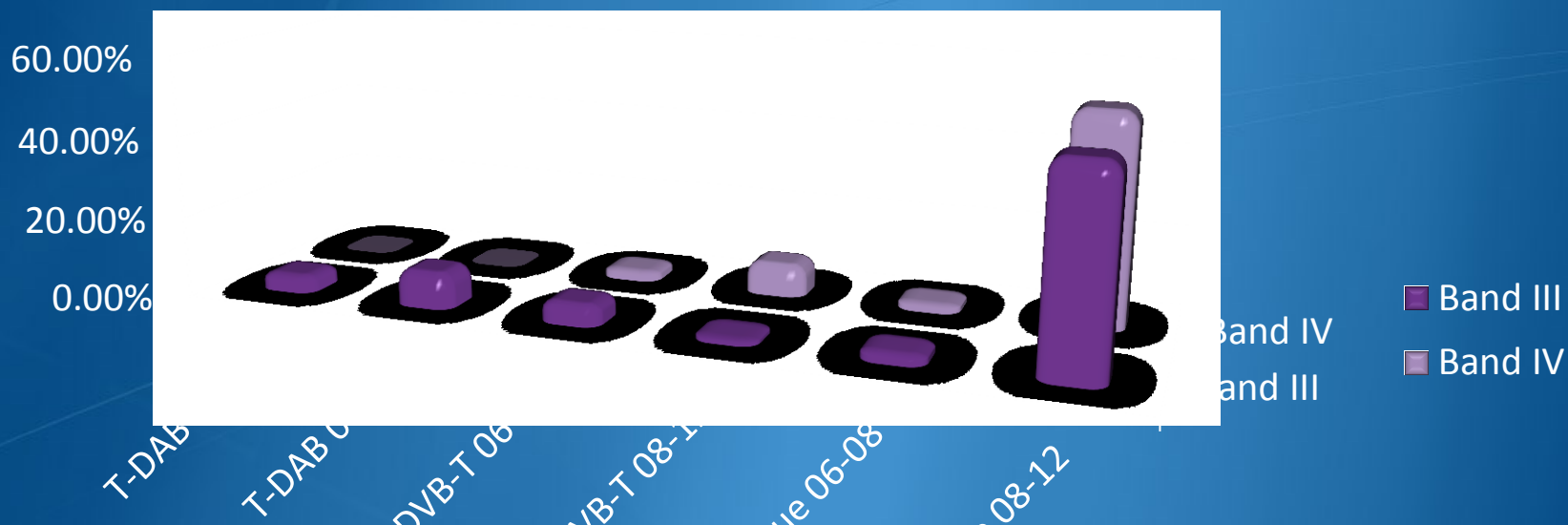
What does it mean?

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.

Modification du Plan GE06

	T-DAB 06-08	T-DAB 08-12	DVB-T 06-08	DVB-T 08-12	Analogue 06-08	Analogue 08-12
Band III	4.30%	9%	5.30%	1.40%	2.50%	49.10%
Band IV	—	—	2.40%	8%	2%	52%

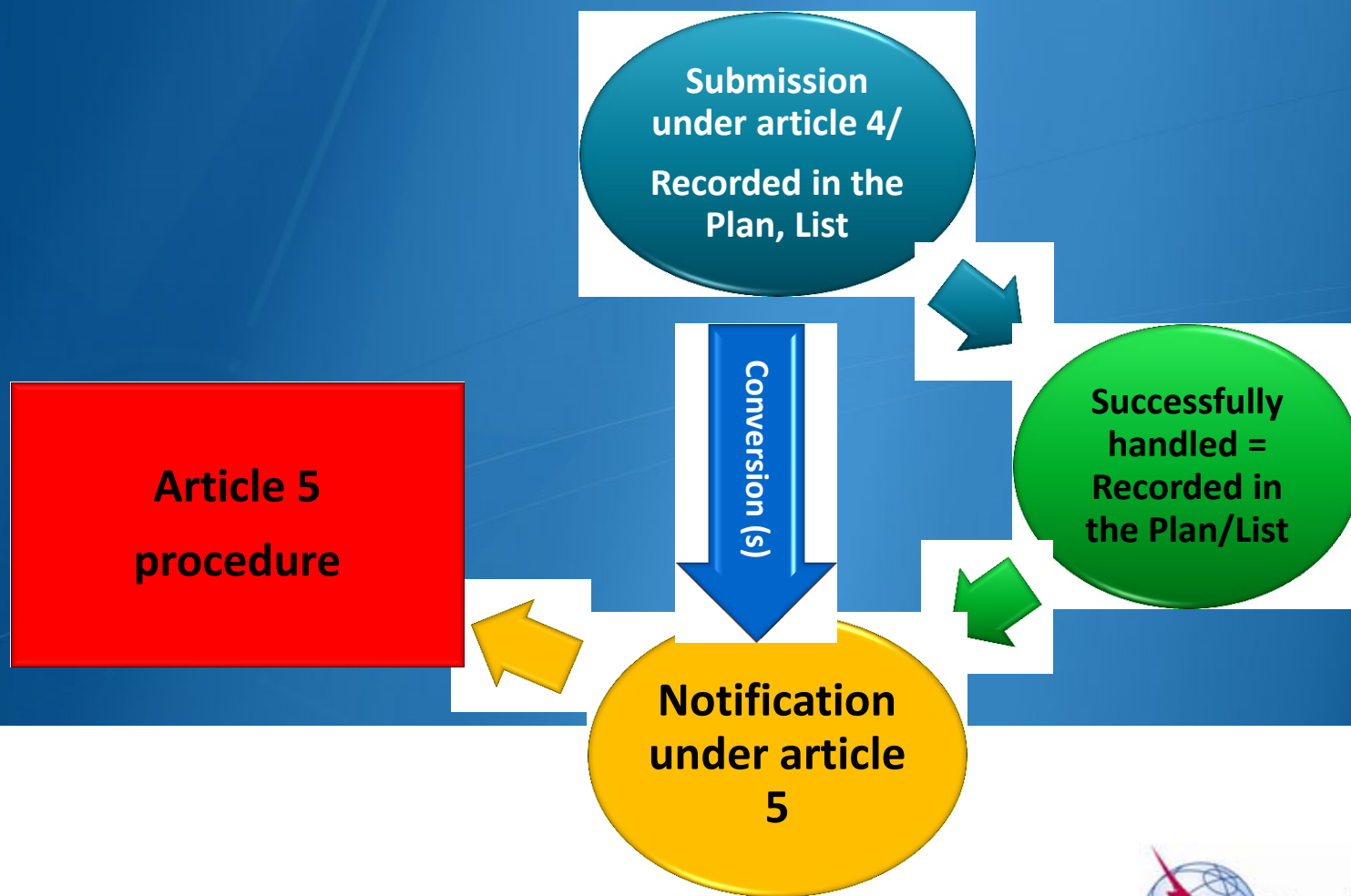


- Article 11 of RR**
- Notification procedure**
- **Article 5 of GE06 Agreement-**
 - **Normal cases -**

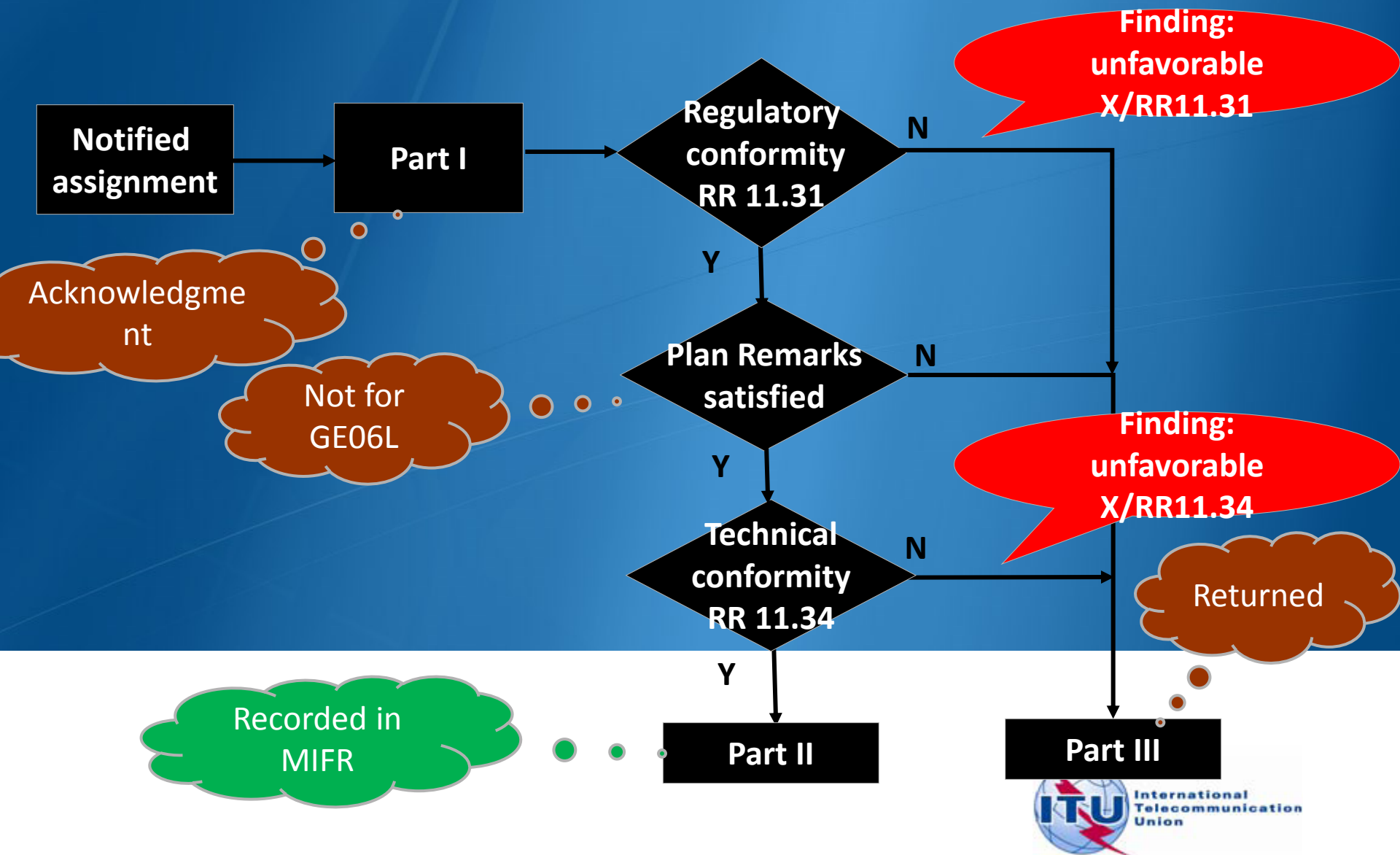
Notification procedure GE06

- *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

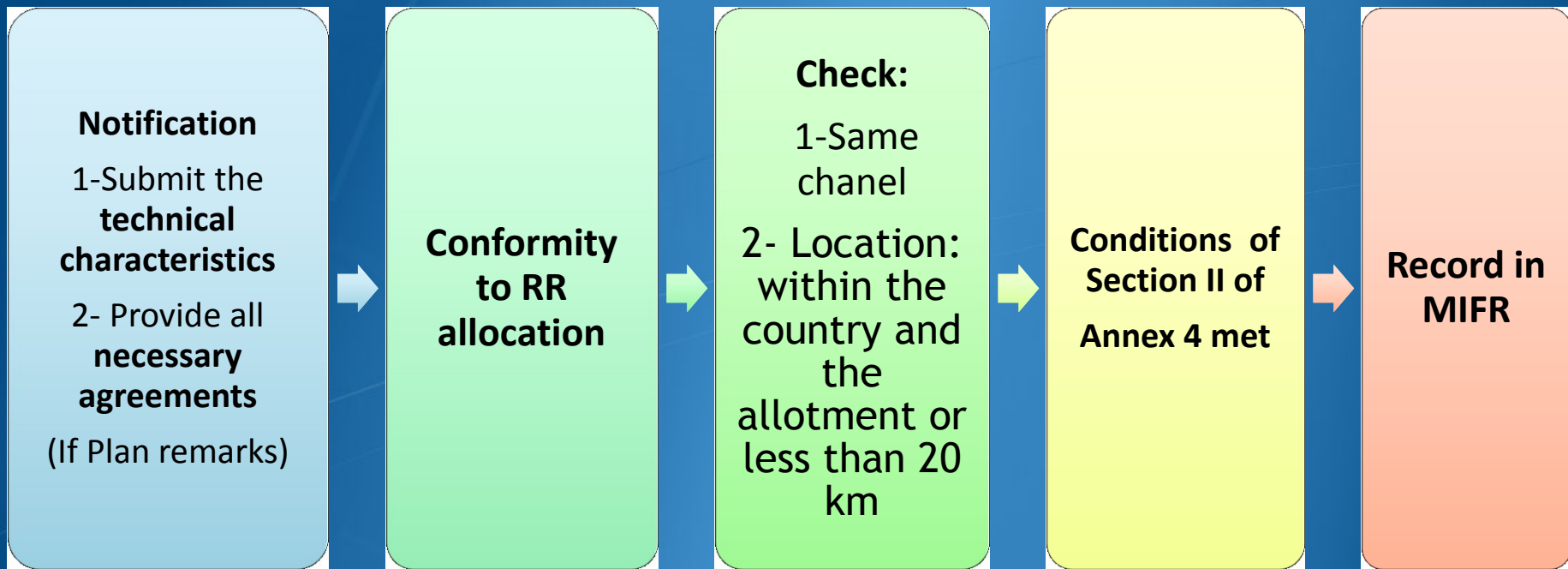
Specificities of a conversion

- 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



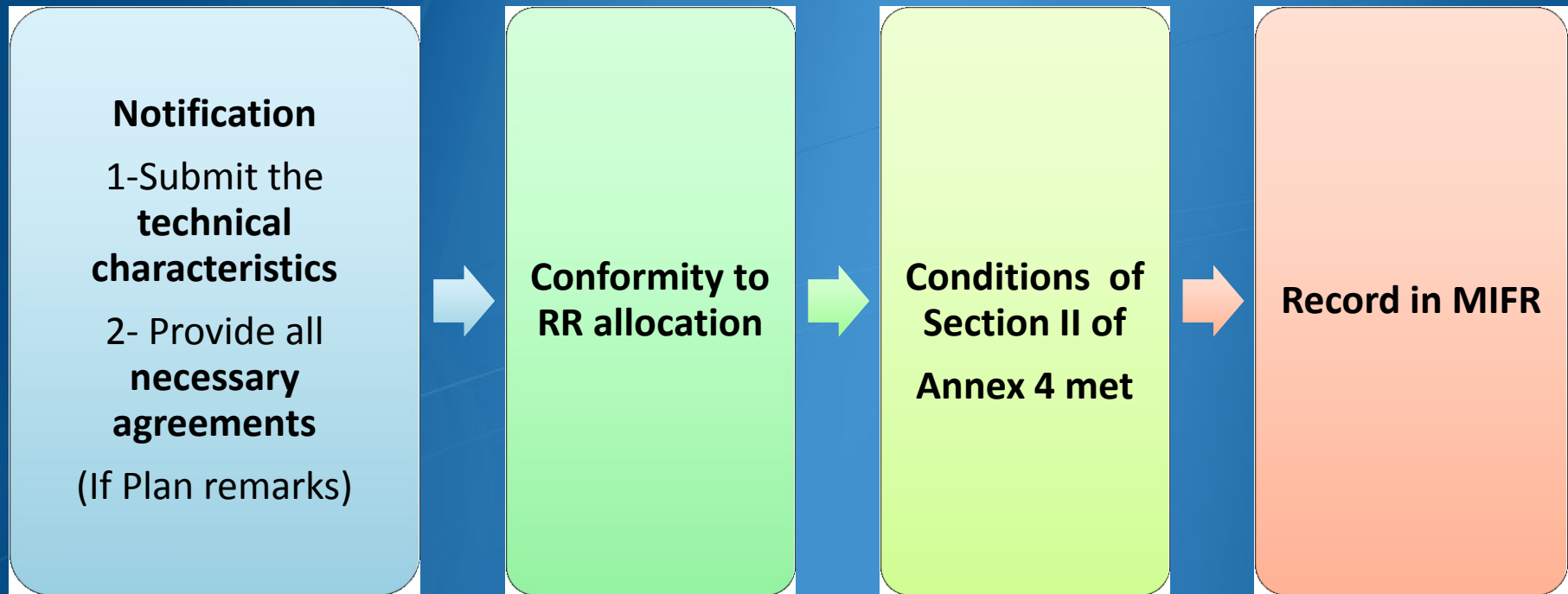
Notification of DTT systems other than DVB-T and T-DAB

- **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

Notification conditions

5.1.3

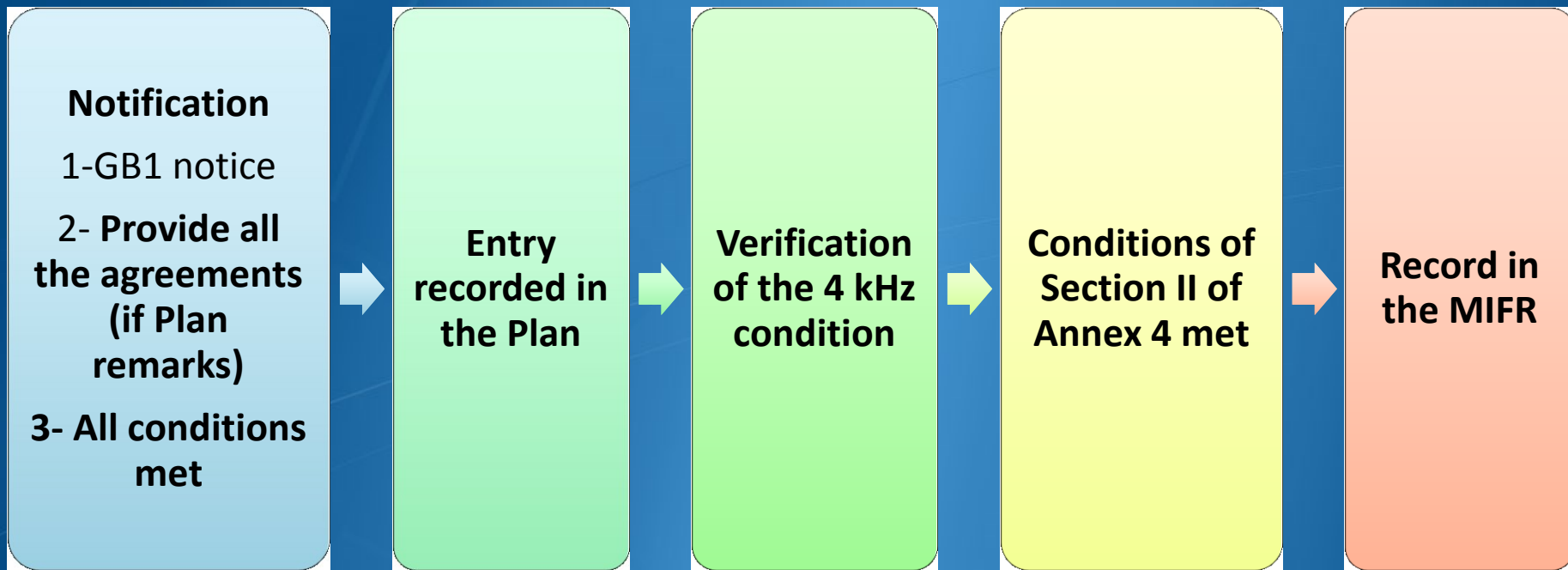
- Operating in conformity with the Radio Regulations.
- the peak power density in any 4 kHz of the above-mentioned notified assignments shall not exceed the spectral power density in the same 4 kHz of the digital entry in the Plan.
- not claiming more protection than afforded to the associated Plan entry.
- 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

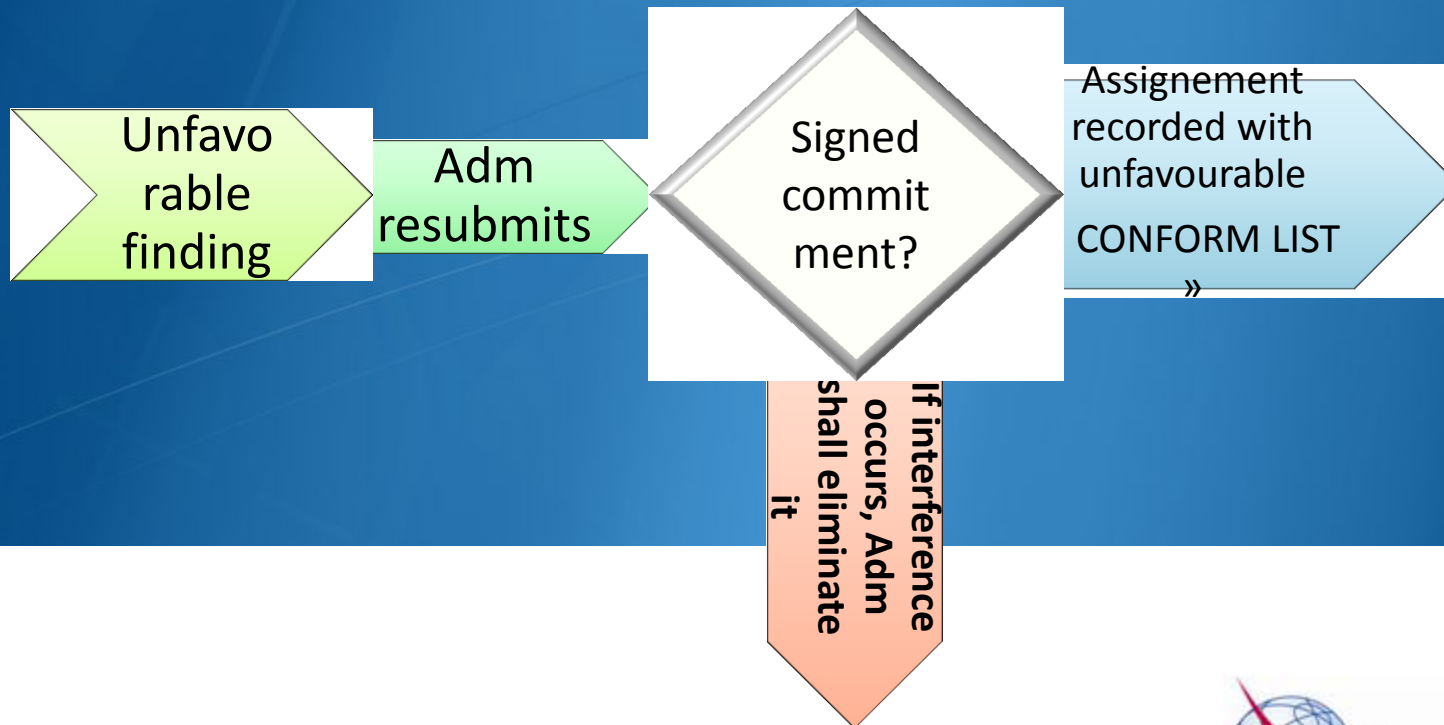
Rules of Procedures - Partie A10



Another chance... Resubmission

- 5.1.6 and 5.1.7 for the Plans

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





Gracias



شكراً

谢谢你

Merci

ilham.ghazi@itu.int

