REGIONAL AGREEMENT, GENEVA 2006: PLAN MODIFICATION AND NOTIFICATION PROCEDURES

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OVERVIEW

- GE06 history
- 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
- Exercises
How the GE06 Agreement was born?

Final Acts
of the Regional Radiocommunication Conference
for planning of the digital terrestrial broadcasting
service in parts of Regions 1 and 5, in the frequency
bands 174-230 MHz and 470-862 MHz (RRC-06)
**General aspects -GE06 Agreement-**

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

<table>
<thead>
<tr>
<th>Plan Entry Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>One assignment only</td>
</tr>
<tr>
<td>2</td>
<td>Single Frequency Network (SFN)</td>
</tr>
<tr>
<td>3</td>
<td>One allotment only</td>
</tr>
<tr>
<td>4</td>
<td>Allotment with linked assignments and SFN_Ids</td>
</tr>
<tr>
<td>5</td>
<td>Allotment with single linked assignment and no SFN identifier</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Assignment code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>Single assignment</td>
</tr>
<tr>
<td>L</td>
<td>Linked assignment</td>
</tr>
<tr>
<td>C</td>
<td>Converted assignment</td>
</tr>
</tbody>
</table>
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**

- Notice submission
- Coordination exam
- Part A publication
- ... 75 days

**Shortcut procedure Pub_req=TRUE**

- Notice submission
- Coordination exam
- Part A publication
- ... 40 days

**Converted assignment (Only GE06D)**

- Notice submission
- Conformity exam
- If in conformity
- Part B publication

- If not
  - 30 days to comply
  - If not, notice deleted
Conformity examination

Article 4

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

- Y: No coordination information is necessary
- ❌: ‘Plan Remarks’ remain the same as in the allotment
- ❌: The submission to comply should be clearly mentioned

<table>
<thead>
<tr>
<th>Submission of assign stemming from an allotment §4.1.2.7</th>
<th>channel or block of the digital Plan entry implementation is the same as that of the associated DPE</th>
<th>Aggregate interference from the DPE implementation ?? interference envelope arising from the DPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part B</td>
<td>&lt;=</td>
<td>N</td>
</tr>
</tbody>
</table>
Specific case: Submission of assignments stemming from an allotment being modified: Part A10 of Rules of procedures:

- Submission of assign stemming from an allotment §4.1.2.7
- Associated DPE is recorded (No ADD/MODIFY)
- Keep in a specific database
- Run Conformity examination
Coordination with affected administrations

- Publication in Part A
- 40 days from the date of publication
- § 4.1.4.8/4.2.4.7: 75 days, no reply = disagreement
- § 4.1.4.10/4.2.4.10: Reminder, after 40 days: no reply = agreement

4.1.3.2/4.2.3.1: Add its name

4.1.2.9/4.2.2.9: Remove its name

4.1.2.9/4.2.2.9: 40 days from the date of publication

1.2.2.9: Add its name

1.2.2.9: Remove its name
Publication process—Article 4

Conversion (§ 4.1.2.7) !!!

Proposed modification

Conformity examination

Coordination examination

Part A

1. Part B, if conform
2. Returned after 30 days if still not in conformity

All necessary agreements

Y

Part B

N

For the Plans, within 24 months +75 days. If not: deleted

Conversion!!!

Not a Conversion!!

40 days over

No agreement removal, no request to be added
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
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

<table>
<thead>
<tr>
<th></th>
<th>T-DAB 06-08</th>
<th>T-DAB 08-12</th>
<th>DVB-T 06-08</th>
<th>DVB-T 08-12</th>
<th>Analogue 06-08</th>
<th>Analogue 08-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Band III</td>
<td>4.30%</td>
<td>9%</td>
<td>5.30%</td>
<td>1.40%</td>
<td>2.50%</td>
<td>49.10%</td>
</tr>
<tr>
<td>Band IV</td>
<td>–</td>
<td>–</td>
<td>2.40%</td>
<td>8%</td>
<td>2%</td>
<td>52%</td>
</tr>
</tbody>
</table>

Diagram illustrating the percentage distribution across different bands.
Article 11 of RR
Notification procedure
- Article 5 of GE06 Agreement-
- Normal cases -
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

1. Article 5 procedure
2. Notification under article 5
3. Conversion (s)
4. Submission under article 4/
   Recorded in the Plan, List
5. Successfully handled = Recorded in the Plan/List
Article 5 procedure

Notified assignment → Part I

Part I:
- Regulatory conformity RR 11.31
  - Y → Plan Remarks satisfied
    - Y → Technical conformity RR 11.34
      - Y → Recorded in MIFR
      - N → Returned
    - N → Part II
  - N → Finding: unfavorable X/RR11.31

Part II:
- Finding: unfavorable X/RR11.34

Part III:
- Acknowledgment
- Not for GE06L
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**
1- Submit the technical characteristics
2- Provide all necessary agreements
   (If Plan remarks)

**Conformity to RR allocation**

**Check:**
1- Same channel
2- Location: within the country and the allotment or less than 20 km

**Conditions of Section II of Annex 4 met**

**Record in MIFR**
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.
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**
  1. Submit the technical characteristics
  2. Provide all necessary agreements (If Plan remarks)

- **Conformity to RR allocation**

- **Conditions of Section II of Annex 4 met**

- **Record in MIFR**
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.
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

1- GB1 notice
2- Provide all the agreements (if Plan remarks)
3- All conditions met

- Entry recorded in the Plan
- Verification of the 4 kHz condition
- Conditions of Section II of Annex 4 met
- Record in the MIFR
Another chance... Resubmission

5.1.6 and 5.1.7 for the Plans

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