



Receivability of Space Notices

Presented by :

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RECEIVABILITY OF THE NOTICES

- **Entry examination of the notice received by the Bureau**
 - Submission of information in electronic format (RES 55)
 - application of the Radio Regulations and Rules of Procedures (ROP) with respect to
 - **its completeness** (Annex 2 of AP 4) and **its correctness**
- **Result of the entry examination**
 - **Acknowledgment** by the Bureau
 - Confirmation of the Bureau registry date - establishment of the **formal regulatory date of receipt**

Resolution 55 (WRC-12)

- Resolves
 - 1 that, as from 3 June 2000, all notices for satellite networks and earth stations submitted to the Radiocommunication Bureau pursuant to **Articles 9 and 11 shall be submitted in electronic format** compatible with the BR electronic notice form capture software (SpaceCap);



Basic ROP related to receipt of notices

- BR registry date



- §2 - It is *incumbent* on all ADM to meet deadlines established in the RR and, accordingly, to take account of possible mail delays, holidays or periods during which ITU may be closed.
- Having regard to the various means available for transmission and delivery of notices and other related correspondence:
 - **Mail** received through the postal service shall be recorded as received on the first working day (following the period of closure) on which it is delivered to the BR's office registry
 - **E-mail or telefax** documents shall be recorded as received on the actual date of receipt, irrespective of whether or not that is a working day at the BR's offices in Geneva
 - In the case of E-mails, an administration is required to send, within 7 days of the date of the E-mail, a confirmation by either telefax or mail which shall be regarded as being received on the same date as the original E-mail.





Basic ROP related to submission of the notices



- All mail must be sent to the following address:
Radiocommunication Bureau, ITU
Place des Nations, CH-1211 Geneva 20
Switzerland
- All telefaxes must be sent to: **+41 22 730 5785** (several lines)
- All E-mail must be sent to: **brmail@itu.int**
- In case of E-mail submission a confirmation by telefax or letter is required from the Administration within 7 days of the date of the E-mail
- Administration shall not use the BR staff E-mail address for submission of their notices to the BR Registry.



Establishment of Date of Receipt (1)

- If a notice does not contain all of ***the mandatory information as defined in the AP 4 of the RR***, or for example - the email from ADM is without attached data or a letter with an empty CD-ROM etc..., further processing of the notice will remain in abeyance and a date of receipt will not be established until the missing information is received
- If all mandatory data have been submitted and further clarification is required concerning the correctness of the mandatory data, the Bureau shall request the ADM **to provide the clarification within 30 days**
- If the information is received within the 30 days period, the original date of receipt is retained, otherwise, a new date of receipt will be established



Establishment of Date of Receipt (2)

- Nevertheless, for replies received within the above period of 30 days, **a new formal date of receipt** (and cost recovery) is established in those cases (or for the concerned part of the network) where the information submitted subsequently is **outside the scope** and beyond the objective of the Bureau's enquiry, if the **new or modified data** has impact on the regulatory and technical examination, irrespective of whether the newly provided information adds new affected administrations or not
- The Bureau is keeping any pending submission containing incomplete information **for one year.**





Establishment of Date of Receipt (3)

- When a **Notification** is communicated to the BR **at the same time as the API**, the formal date of receipt of this information is established as follows :

For the Assignments that do ***not require coordination*** under Sect II of Article 9

- 6 months after the date of **publication of API**



List of “as received” under Res 55

- Res55 instructs the director of the BR:
 - to make available coordination requests and notifications referred to in resolves 1, **“as received”**, on its BR International Frequency Information Circular CD-ROM, ***within 30 days*** of receipt, and also on its website;
- These Coordination Requests or Notifications “as received” are distributed **on the BR IFIC** (Space services) DVD-ROM
- This information can also be monitored **through the ITU website** at:
<http://www.itu.int/ITU-R/space/snl/>
- This advance version of the information received from the ADM with a date of receipt in the registry of the Bureau is **not to be confused with the official publication** of the relevant PART or Special section with a formal date of receipt which is yet to occur



Radio Regulations relating to receivability – API, to be submitted only for networks not subject to coordination

If the information is found to be ***incomplete***, the Bureau shall immediately ***seek*** from the administration concerned any clarification required and ***information not provided***.

On receipt of the *complete information* sent under article 9, the Bureau shall ***publish it*** in a Special Section of its BR IFIC ***within three months***.....



API

- Relevant Rules of Procedure (ROP) on Receivability
 - 1: **electronic filing** (resolves 5 of RES55)
 - 3.2: **completeness** (Annex 2 of AP 4) and correctness of the information
 - 3.4: Administrations are encouraged to run the **validation software** themselves in order to overcome any difficulties in the notices before they are submitted to the Bureau.



Radio Regulations relating to receivability – CR/C

- 9.34

On receipt of the ***complete information*** sent under No. 9.30 or No. 9.32 the ***Bureau shall promptly:***

9.35

a) ***examine that information*** with respect to its conformity with No. 11.31.....

- 9.40A

If the information is found to be ***incomplete***, the Bureau shall immediately ***seek*** from the administration concerned any clarification required and ***information not provided***.



Coordination Request - CR (3)

- **Completeness** of data as required in **Appendix 4**
- Validation of **graphical data**
 - Antenna gain contours, Service areas, Antenna gain towards GSO orbit (AG-GSO)
- Article 5 (Regional **service area restrictions**)
 - If service area submitted is **larger** than what is allowed for under Article 5, BR will **split** the service areas, retain the part that has an allocation, and remove the part that has no allocation. BR will inform the notifying administration through a telefax.
 - If service area submitted is smaller or equal to what is allowed for under Article 5, BR will retain the service area as submitted
- Antenna Gain Contour
 - at least for **-2, -4, -6, -10 and -20 dB** and at 10 dB intervals thereafter, as necessary, relative to the maximum antenna gain, when any of these contours is located either totally or partially anywhere within the limit of visibility of the Earth from the given geostationary satellite
- Requirement for AG-GSO diagrams (AP4 B.3.e)
 - if the space station is operating **in a band allocated in the Earth-to-space direction and in the space-to-Earth direction**
 - For reference, can check the appendix to the Validation Rules

Coordination Request - CR (4)

- Steerable beams (No. 1.191)
 - No.1.191 steerable satellite beam is defined as a steerable satellite antenna beam that ***can be re-pointed***
 - AP4 B.3.b.1
..... if the effective boresight area (see No. **1.175**) is less than the global service area, the contours are the result of moving the boresight of the steerable beam around the limit defined by the effective boresight area and are to be provided as described above but shall also include the 0 dB relative gain isoline
.....to the extent practicable, align the areas the satellite steerable beams could cover with the service area of their networks with due regard to their service objectives.
- Rules of procedure relating to No. 21.16 – PFD limits for steerable beams
 - In addition to other conditions specified in the ROP, **the administration must submit:**
 - **A statement that the applicable PFD limits will be met by applying a method**, the description of which should be submitted to the Bureau. One possible example of such a method is described in the Annex to the Rule.

Coordination Request - CR (5)

- Associated **Earth station Antenna Diameter** in Metres (C.10.d.7)
 - required for fixed-satellite service networks
 - operating in the frequency bands 13.75-14 GHz,
 - 24.65-25.25 GHz (Region 1) and
 - 24.65-24.75 GHz (Region 3)
 - and for maritime mobile-satellite service networks
 - operating in the frequency band 14-14.5 GHz
 - Take note of the restrictions on earth station diameters in the footnote to the Table of Frequency Allocations



Radio Regulations relating to receivability –Notifications

- No. 11.27

Notices not containing those characteristics specified in Appendix 4 as ***mandatory*** or required ***shall be returned with comments*** to help the notifying administration to complete and resubmit them, unless the information not provided is immediately forthcoming in response to an inquiry by the Bureau.





Notification for recording in the Master Register

- Notification ***not earlier than 3 years before dBiU*** (No. 11.25)
- Relevant ***AP4 data*** have to be provided – see No. 11.15 (WRC-07) – ***RES-55*** apply.
- ROP 4.3 multiple procedures (**API or C – N**): previously applicable procedures have to be effected
 - assignments that require coordination under Sect II of Article 9 is not supported by a publication of coordination request (CR/C)
 - assignments that do not require coordination under Sect II of Article 9 is not supported by an API





Notification (2) - Publication of Complete Notification

- **Complete notices are published in PART I-S** of the BR IFIC (Space services) with the date of receipt.
This publication shall constitute the acknowledgement to the notifying ADM of receipt of its notice.
- PART I-S notices will be used ***for further technical and regulatory examination*** by the Bureau



Time Limit under RES49

- ADM shall submit **Spacecraft Manufacturer** and **Launch Service Provider** details with frequency bands etc. before the time limit under No.11.44 (7 years from date of receipt of CRC);
or
- ***Before the date of bringing into use*** if notified earlier (para 12 of Annex 1 of RES49)
- In the absence of RES49 information ***beyond 7 years notice*** will become unreceivable; or ***provisional recording will be deleted*** and assignments will not be taken into account by BR and Administrations (para 11 of Annex 1 of RES49)
- BR Sends Reminders 6 month before this date

Time limit for resubmission (No.11.46)

- Date before which Notice has to be **Resubmitted after** return by the BR in the PART III-S under Nos.11.37/11.38
= Date stamped on the Return letter by BR + **6 months**
- If resubmitted after 6 months it will be treated as first submission (cost recovery fee) and shall comply with provisions of No. 11.44.1
- The submission is accepted as valid first Notice ONLY **within 7 year period**
- If resubmitted after 6 months BR and period for submission under No. 11.44.1 of first notice has expired, BR advises to restart CRC or API (for networks not subject to coordination) procedure

Conclusions concerning time limits

- **It is extremely important to *keep track and to take action within the Time Limits for your networks.***
- Valuable time will be lost (and cost recovery fee) in applying the procedure all over again if the time limits are not respected
- BR may send telefax and Circular Telegrams to remind administrations However, ***administrations should keep track*** of the regulatory time limit, ***on their own, without waiting for the reminder from BR***
- The Board does not accept non-receipt of reminders as a good reason for consideration.



Question?

Receivability: spr@itu.int

