

Planning Procedure For HF Broadcasting – RR12 (Terrestrial Radiocommunication Services)

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Summary



- **Planning procedure for HF Broadcasting – RR12.**
- **Introduction to HFBC notification.**
- **HFBC Schedule on CD.**
- **Coordination and Regional Coordination Groups.**



Regulatory basis for HFBC



- **Principles**

- Equal access to HF bands.
- Equitable treatment of national and international requirements.
- Efficient use of the spectrum
- Minimize incompatibility

- **The Procedure**

- The application of the Procedure shall be facilitated and coordinated by the Bureau as defined elsewhere in this Article.

- Propagation calculation and compatibility analysis.
- For both, the calculation of antenna patterns shall be made using the current Recommendation ITU-R BS.705,
- the propagation shall be calculated according to Recommendation ITU-R P.533 and
- the reliability according to Recommendation ITU-R P.842.
- If any of these Recommendations is modified, the Bureau shall inform all administrations when the modification is implemented.

Article 12 of the
RR

Part A1 Art 12 of the
RoP: Technical analysis
(12.9 of the RR)

Not a
Plan!



Frequency bands



- Block allocation – bands between **5 900 kHz and 26 100 kHz**
- Current allocation situation:

Band:	Frequency range [kHz]
6	5 900 – 6 200
7	7 200 – 7 300 *
7	7 300 – 7 450
9	9 400 – 9 900
11	11 600 – 12 100
13	13 570 – 13 870
15	15 100 – 15 800
17	17 480 – 17 900
18	18 900 – 19 020
21	21 450 – 21 850
25	25 670 – 26 100

* Regions 1 and 3 only



Particularities



12.15 of the RR: The application of the Procedure shall be facilitated and coordinated by the Bureau as defined elsewhere in this Article.

➤ **Two seasonal periods:**

- “Summer”- Season A
- “Winter” – Season B

➤ **Two seasonal schedules: A and B**

- Schedule A:

From last Sunday of March until Last Sunday of October

- Schedule B:

From last Sunday of October until last Sunday of March



Season B16 - next season



30 October 2016 – 26 March 2017

Schedule title	Date of edition	Date limit for submissions
B16 Tentative 1 (B16T1)	End of August 2016	21 August 2016
B16 Tentative 2 (B16T2)	End of September 2016	18 September 2016
B16 Schedule 1 (B16S1)	End of October 2016	16 October 2016
B16 Schedule 2 (B16S2)	End of December 2016	11 December 2016
B16 Final (B16F)	End of April 2017	23 April 2017



No schedule is submitted?



The BR uses the requirements from the previous corresponding season!

**B15-> B16
Only once!**

Then requirements are suppressed from the schedule!



Notification : Who can notify?



Administrations must advise the BR of the:

- name of the authorized organization;
- scope of the authorization

Administrations

Authorized organizations

- Broadcasters
- Frequency managers



Article 12 Procedure



Coordination
and Requirement
submission
(Administrations)

Compatibility
analysis
(BR)

Publication
(BR)



What to notify?



- The **WHOLE** schedule for the seasonal period must be submitted.
- When no amendments – inform the BR without submitting a schedule.
- A common text format must be used.

[File format for submission of HFBC requirements](#)

[Example of requirement file](#)



How to notify?



➤ **Via WISFAT**

(Web Interface for Submission of Frequency Assignments/allotments for Terrestrial services)

<http://www.itu.int/ITU-R/go/wisfat>



Coordination



- **Bilateral and multilateral**
- **Regional Coordination Groups**
- **Coordination on common technical bases**
- **Administrations may authorize broadcasters or other organizations to coordinate on their behalf.**



HFBC Regional : Coordination Groups



ABU-HFC - Asia-Pacific Broadcasting Union - High Frequency Conference



Asia-Pacific
Broadcasting Union

www.abu.org.my

ASBU - Arab States Broadcasting Union



Arab States Broadcasting Union

League of Arab States

www.asbu.org.tn

HFCC - High Frequency Coordination Conference



www.hfcc.org

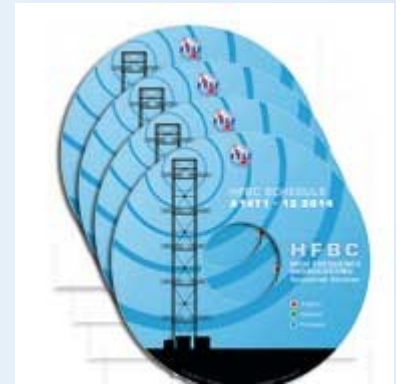


Publication



- **On a CD (11 per year).**
 - Two Tentative schedules (T1,T2).
 - Two or three Schedules (S1,S2,S3).
 - Final Schedule (F).

- **To subscribers only**
 - Sales and marketing Service: sales@itu.int





What does the HFBC CD contain?



- **Monthly updated seasonal schedules**
- **Propagation and compatibility analysis.**
- **Latest versions of the ITU HFBC software and reference tables**





Why subscribe?



- **Complete world HF schedule**
 - All notified requirements to the BR according to RR12.
- **Up to date combined schedule.**
- **Pre-calculated propagation prediction.**



HFBC CD-ROM price



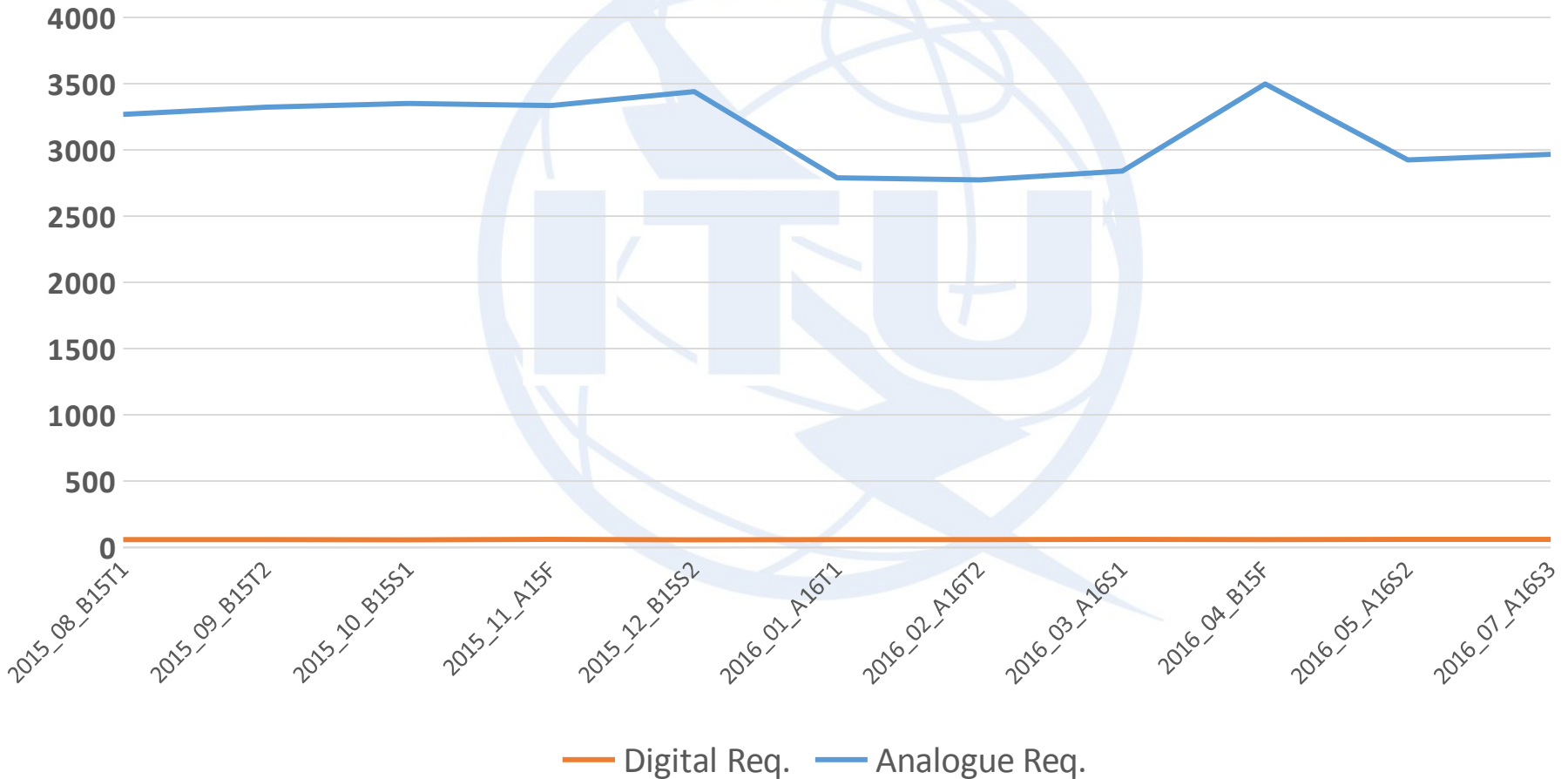
- **Annual price – 1260.- CHF**
 - Member States -15%
 - Least developed countries -80%
 - Libraries and education institutions -80%



Submitted Requirements



Number of Requirements

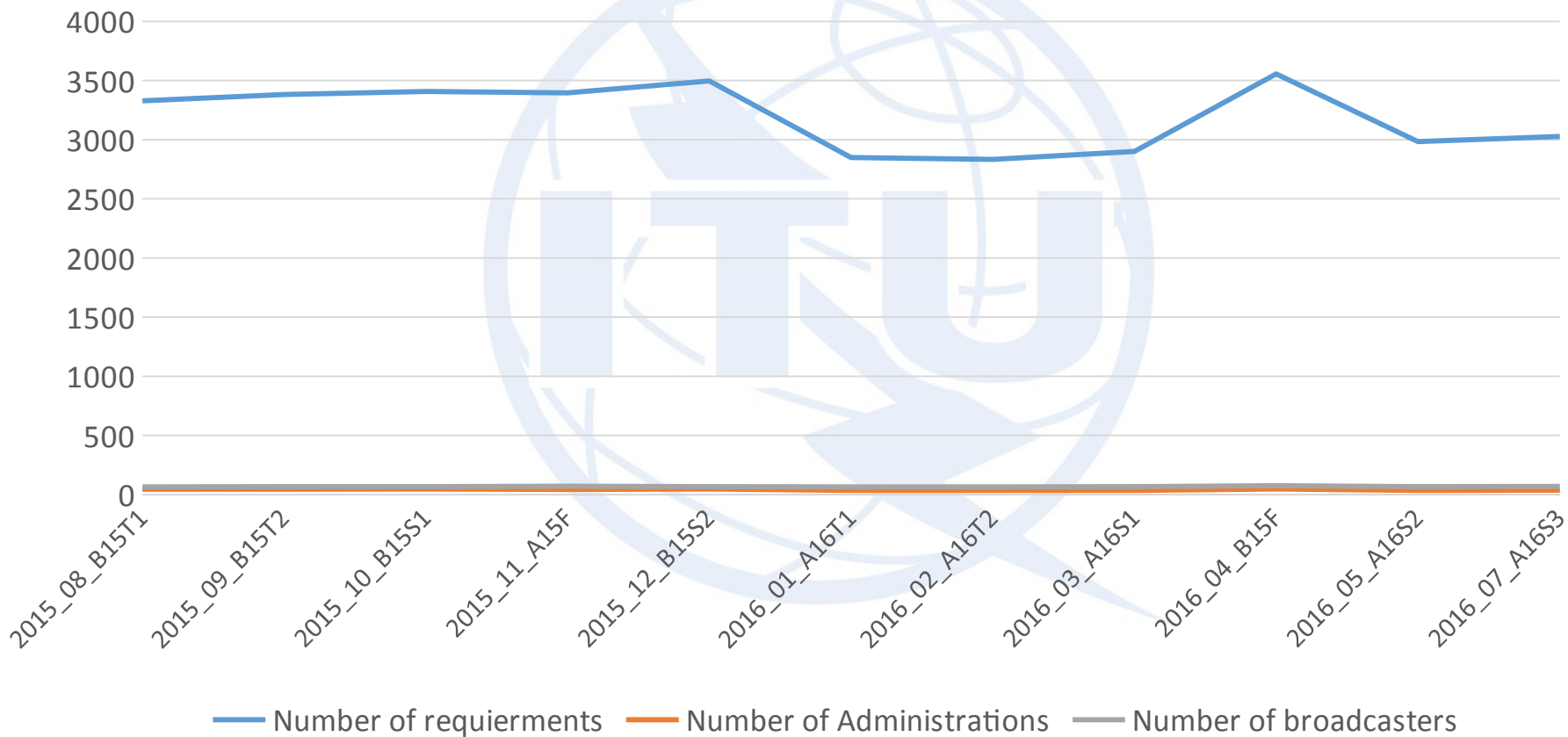




Submissions per Adm./broadcaster 2015-2016



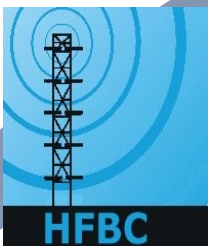
Submissions per Adm./broadcaster 2015-2016



Average Adm.: 40 Average broadcasters: 67



○ Thank you for
○ your attention!



brmail@itu.int



Thank you

ITU – Radiocommunication Bureau
Questions/request of assistance: brmail@itu.int