



BR's assistance in cross-border coordination

**Ben Ba, Head of TPR
BR/TSD**

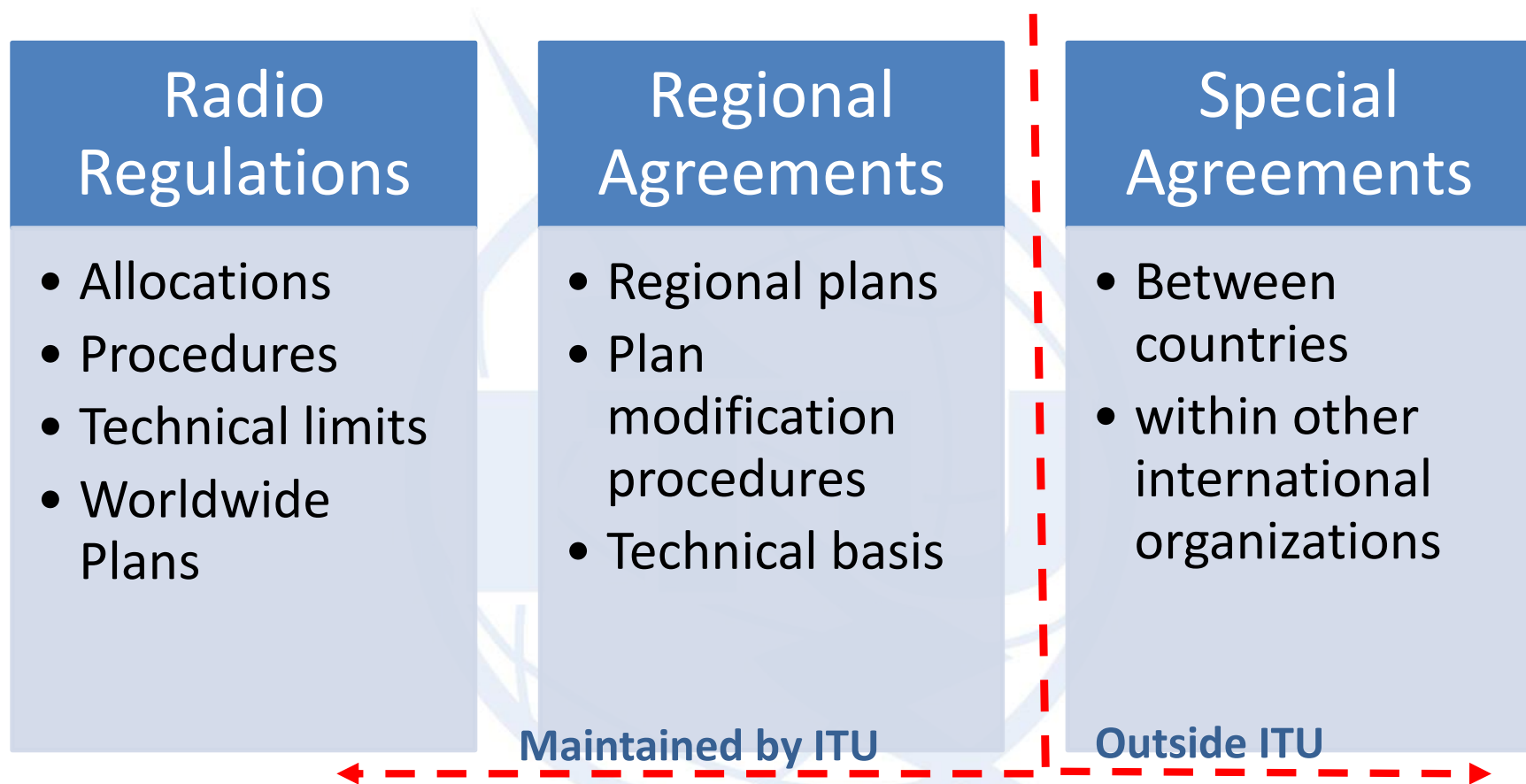
**ITU Workshop,
Gaborone, May 2019**

Overview



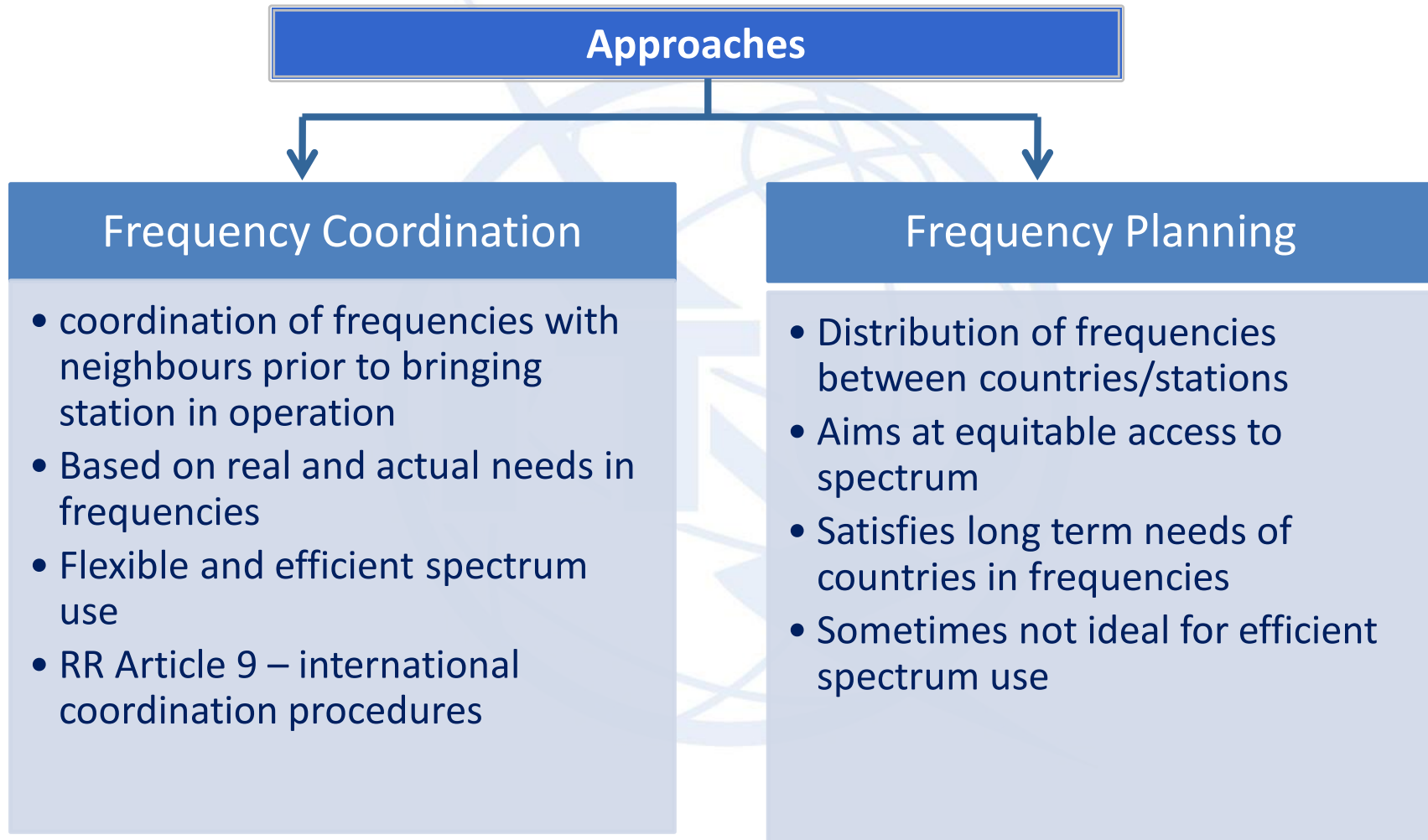
- Regulatory framework
- BR's assistance for harmful interference
- BR's assistance for frequency coordination

Main regulatory instruments



- Other ITU instruments:
 - Rules of Procedure
 - ITU-R Recommendations

Approaches to sharing spectrum



BR's assistance



- In the application of the procedures of the RR and Regional Agreements, training in the related software
- In resolving harmful interference and infringement
- In transition to digital TV and Digital Dividend
- In multilateral coordination meeting, e.g. on spillover
- Providing best practices of spectrum usage

Assistance in a case of harmful interference



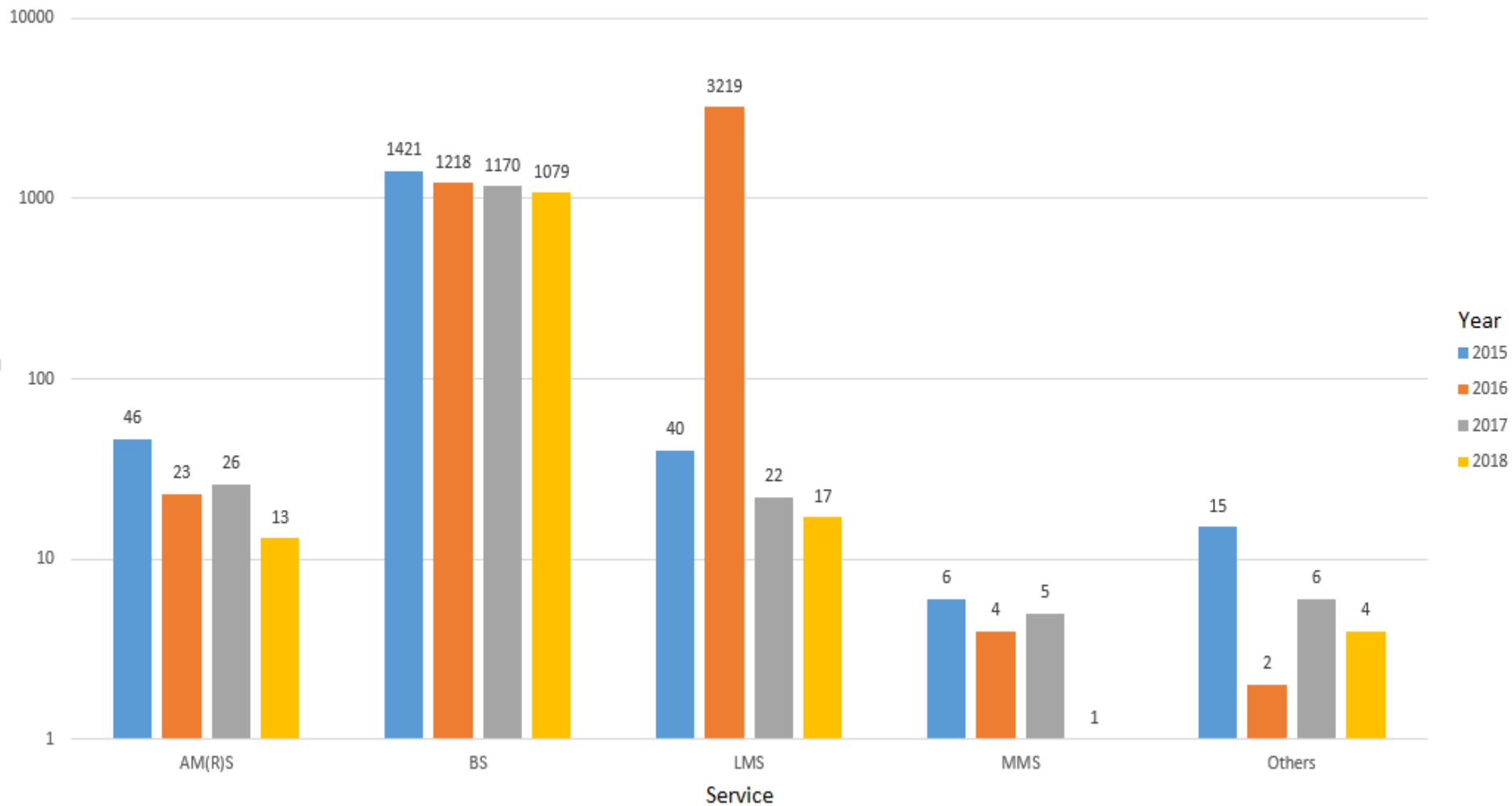
- Cooperation between administrations
- Direct contact between monitoring stations or operators
- If necessary, inform the BR
- If bilateral action failed, request BR assistance
- The BR may request the cooperation of stations on the International Monitoring List
- If the interference persists, the BR prepares a report to the RRB

Harmful interference statistics

- > 1000 Appendix 10 Reports in 2018
- 1079 broadcasting
- 17 land mobile
- 13 aeronautical mobile
- 2 fixed
- 2 amateur
- 1 maritime mobile

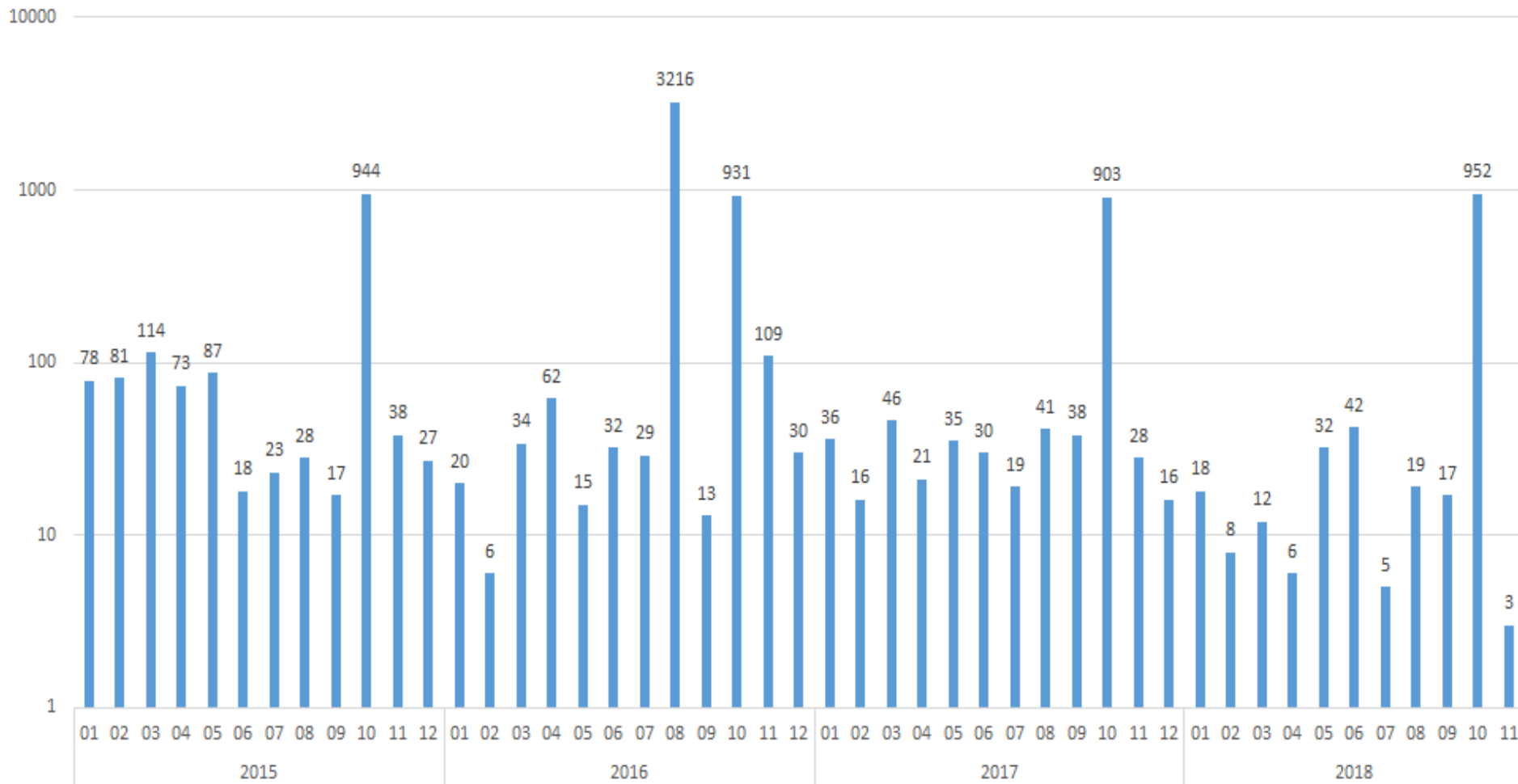


Total reports received



AM(R)S: Aeronautical mobile (route) service - BS: Broadcasting service - LMS: Land mobile service - MMS: Maritime mobile service

Number of reports per month



Harmful interference



KEY POINTS

- Any assignment that could cause harmful interference shall be notified
- Spectrum monitoring
- Coordinate with your neighbours
- Procedure for resolving interference in coordination agreements

Assistance for DSO in Sub-Saharan Africa



- Digital migration and spectrum Policy summits
 - ✓ December 2011: Nairobi
 - ✓ September 2012: Accra
- Decisions
 - ✓ Adoption of the MPEG4 and DVB-T
 - ✓ Adoption of the dual HDTV/SD for the set-top boxes

Objectives of the frequency coordination activities

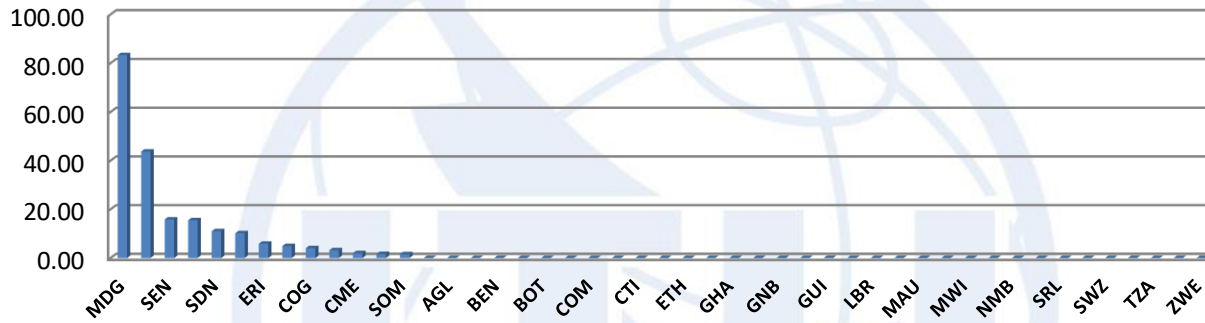


- To assist the countries in coordinating the modifications of the GE06D Plan in the band 470-694 MHz
- To enable the administrations to successfully to put in operation the broadcasting and mobile services in the UHF band without harmful interference

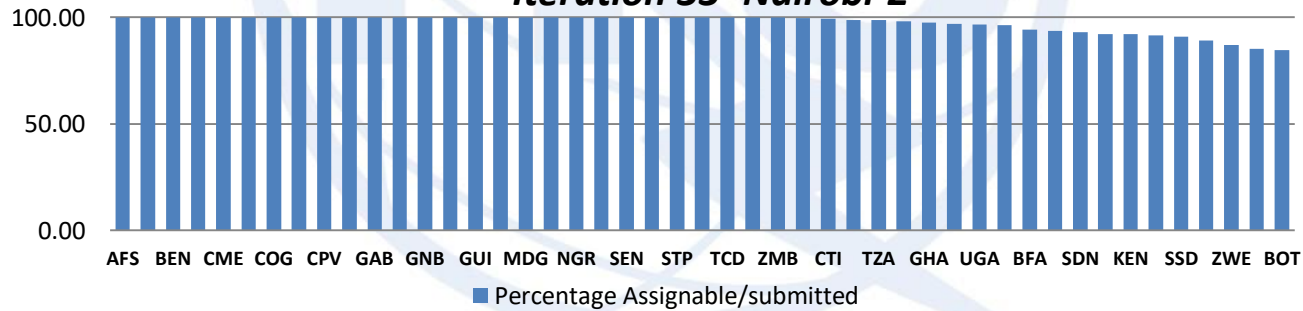
Results: 1st and last iterations



Iteration 1, percentage of assigned channels



Iteration 33- Nairobi-2



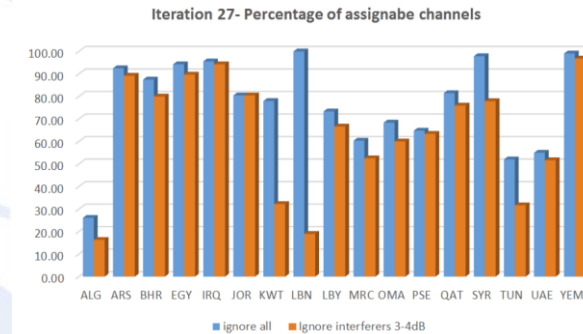
BR actions



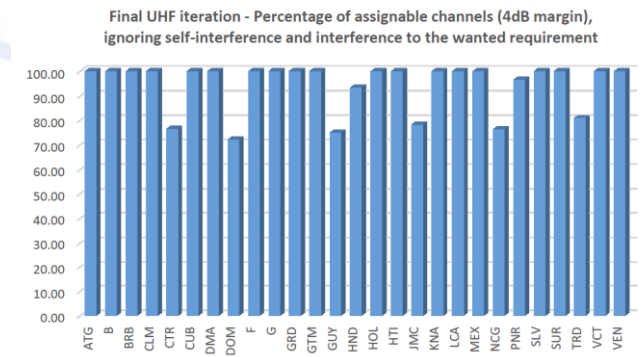
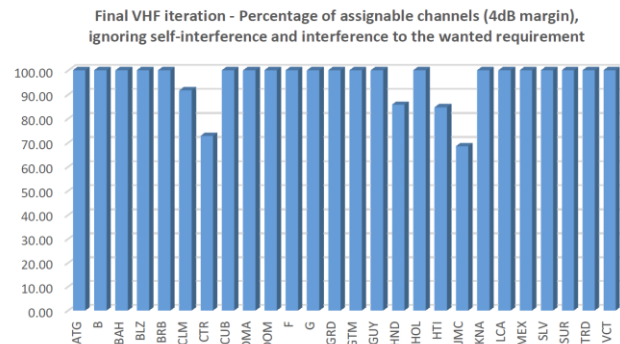
- Provided the necessary software and tools
- Workshops and training on the GE06 tools and frequency planning
- Assistance in sub-regional coordination meetings

Assistance to ASMG and CAC

- 2014-2015: Frequency Coordination Meetings for Arab Spectrum Management Group (ASMG)



- 2017-2018: Frequency Coordination for Central America and Caribbean (CAC)





Thank you!