



***ITU support for DSO cross border
management with focus on
Central America and Caribbean***

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Digital Dividend (s) following WRCs decisions

470-806 MHz
BC

470-698 MHz
BC

694/698-806
MHz
MO/BC



Need for more DTT channels in the band
470- 694 MHz to compensate for the loss
of the 700 MHz band



Coordination is Key!





Regional coordination in the UHF band

**Previous examples of Sub-Saharan Africa (ATU)
and Arab Region (ASMG)**



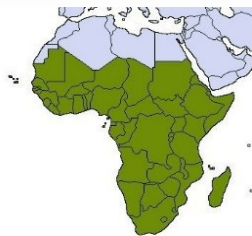
Start of the frequency coordination meetings

Digital migration and spectrum Ministerial Policy summits:

- December 2011: Nairobi
- September 2012: Accra

Need to establish minimum
spectrum requirements for
broadcasting and broadband at the
national level

Charge ATU, with the assistance of
the ITU



- In accordance with the recommendation:
- 35th meeting of the Permanent Arab Committee for Communications and Information (Cairo : 4-5/3/2014) ,
- Contributions of the Technical Secretariat of the Council of Arab Ministers for Communications and Information

Arab countries to ensure sufficient
spectrum for broadcasting in the 470-
694 MHz to release the 700/800 MHz

Charge ASMG with the assistance of
the ITU



Results of the coordination meetings

- Average of satisfied requirements: **97.37%**

- Duration: **18 months**.

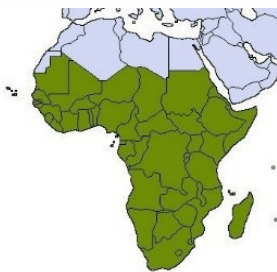
- **47** countries participated (except Mauritius).

- 2 African summits: Nairobi 2011 and Accra 2012 to launch the process.

- **3 planning and coordination meetings:** Bamako, Kampala and Nairobi.

- **33 iterations** for the compatibility analysis, based on the requirements submitted by administrations.

- **7107** submitted frequency requirements in 470-694 MHz (**11406** at the RRC-06 for the band 470-862 MHz).



- Average of satisfied requirements: **76.87%**:

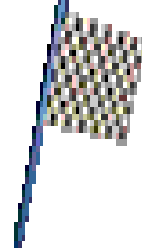
- Duration: **11 months**.

- **17** countries participated.

- **3 planning and coordination meetings:** Dubai, Hammamet and Marrakech.

- **27 iterations** for the compatibility analysis, based on the requirements submitted by administrations.

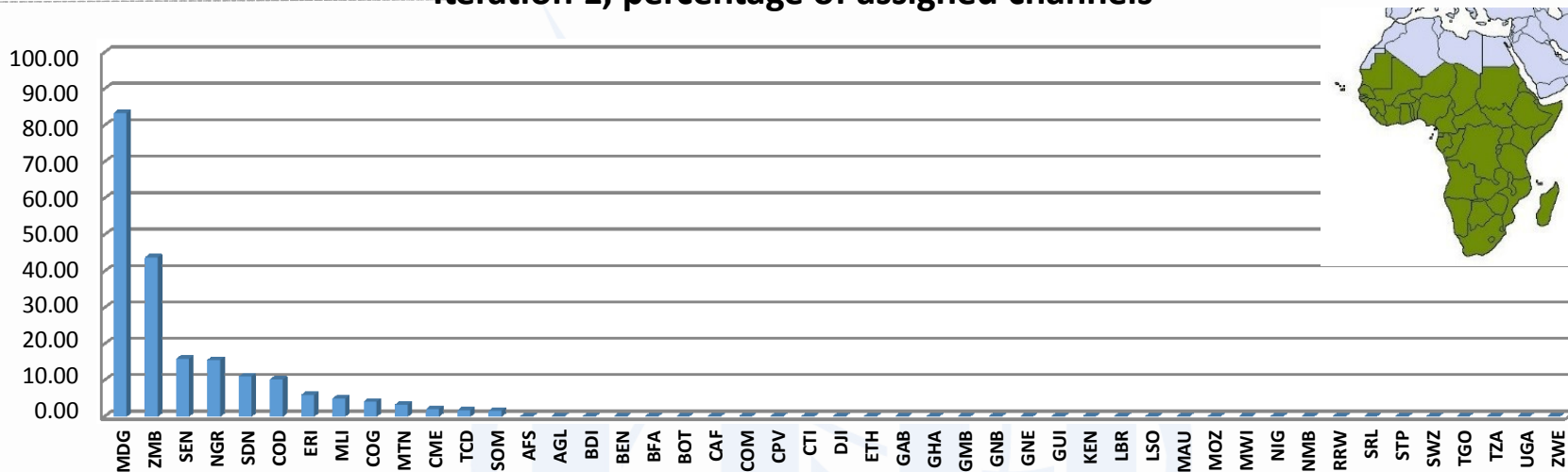
- **4346** submitted frequency requirements in 470-694 MHz (**9151** at the RRC-06 for the band 470-862 MHz).



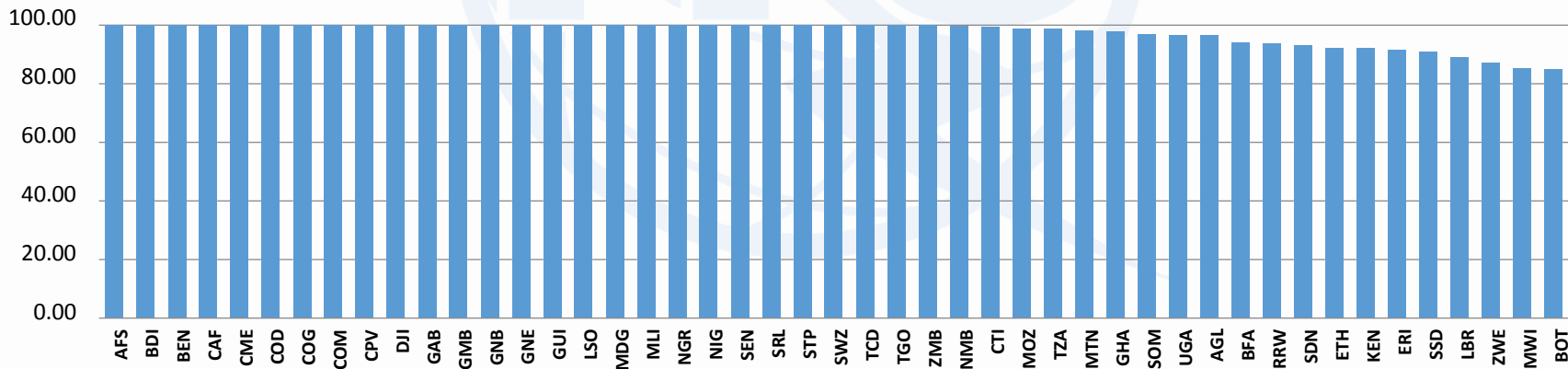


Results: Iterations for Sub-Saharan Africa

Iteration 1, percentage of assigned channels



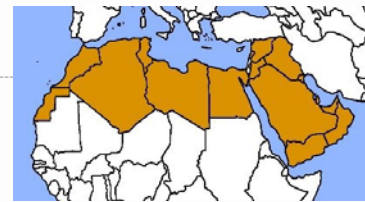
Iteration 33- Nairobi-2



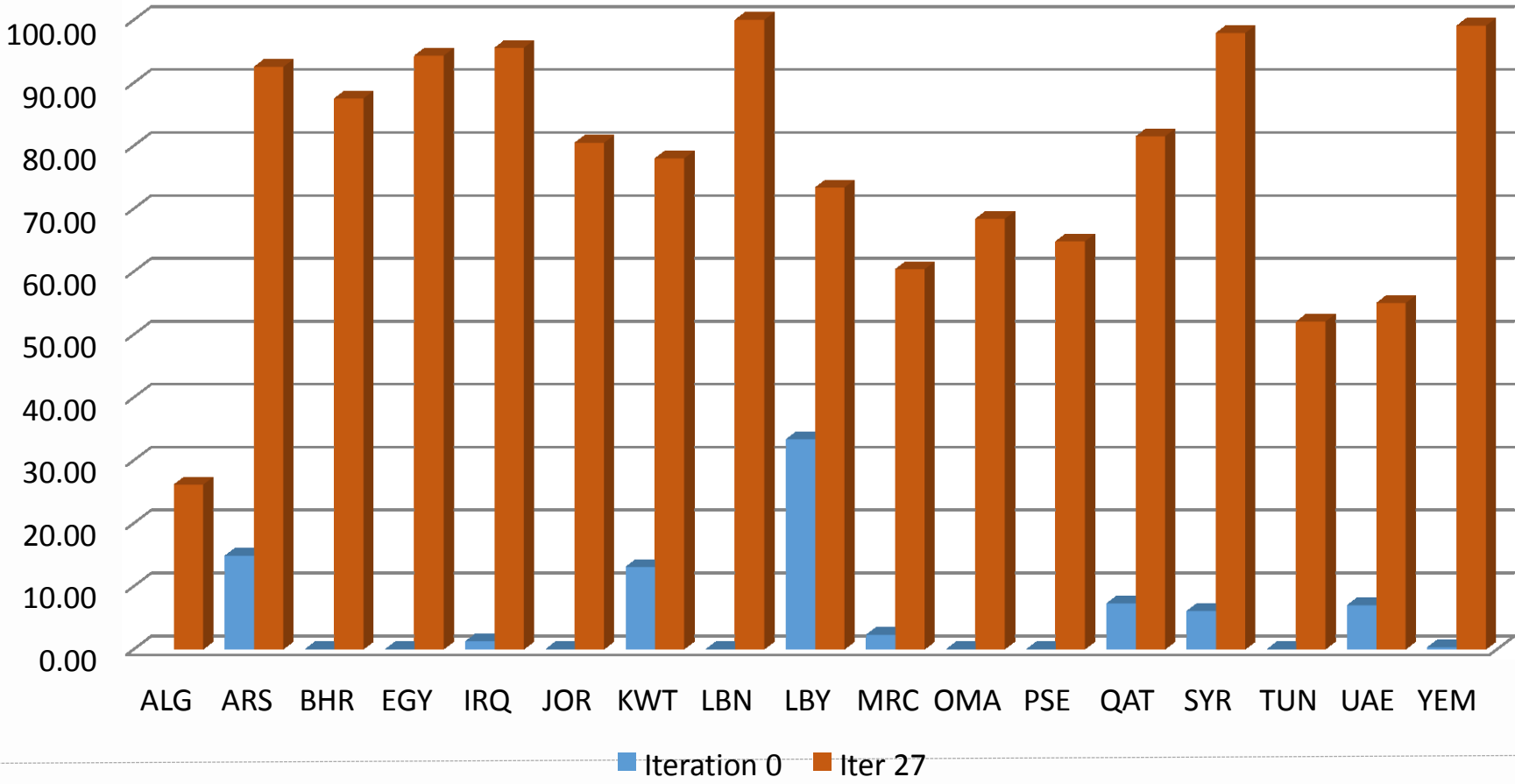
■ Percentage Assignable/submitted



Iterations for ASMG



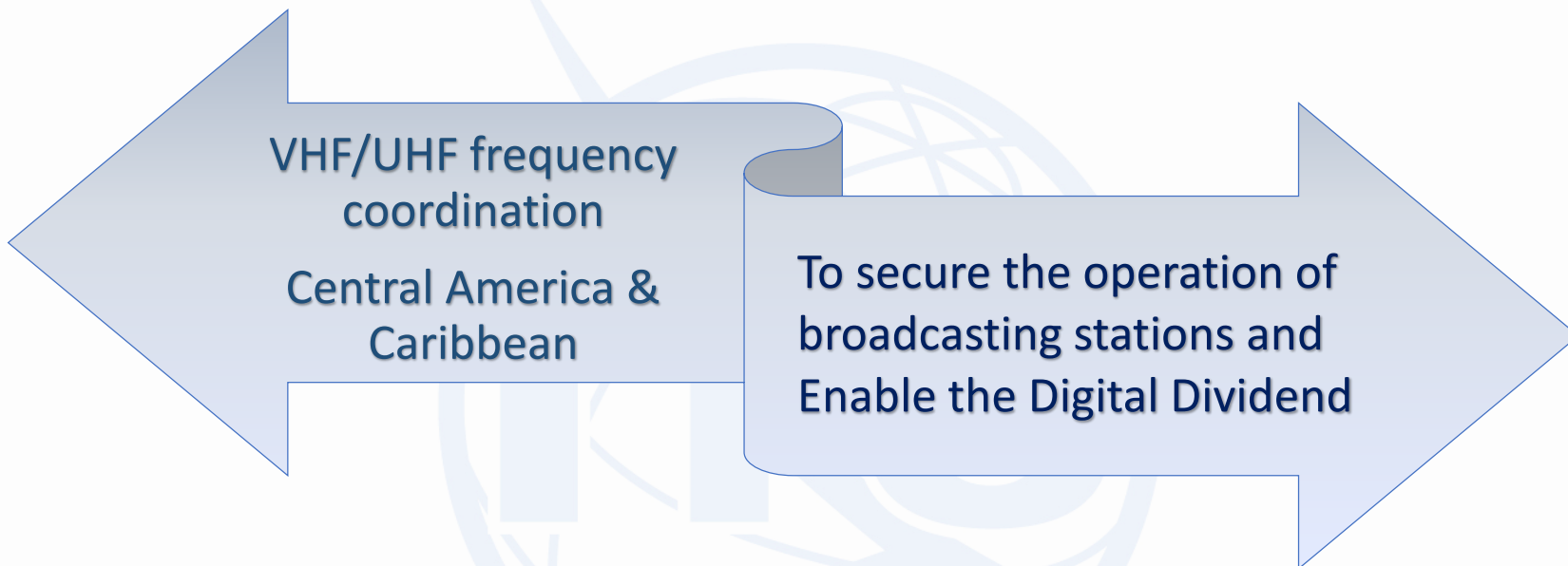
Evolution of assignable channels





Regional coordination in the VHF/UHF bands

Current example: Central American & Caribbean



Following the:

- Central American Summit on Digital Terrestrial Television and the Digital Dividend, El Salvador on 25 and 26 July 2016, and
- the “San Salvador Declaration” adopted by COMTELCA Members on 26 July 2016

With the participation of:

- CITEL
- COMTELCA
- CTU



Regional Frequency Coordination for Central America and Caribbean

Considered area:

- Parallels : 122 to 50 W
- Meridians : 0 to 38 N



Numbers:

- Adm.: 30
- Geographical area: 41

Adm.: ATG, B, BAH, BLZ, BRB, CLM, CTR, CUB, DMA, DOM, F, G, GTM, GRD, GUY, HOL, HON, HTI, JMC, KNA, LCA, NCG, MEX, PNR, SLV, SUR, TRD, USA, VCT, VEN



Purpose of the frequency coordination meeting

The Regional Frequency Coordination Meeting on the use of the VHF band (174-216 MHz) and the UHF band (470-790 MHz)

Objective

- Facilitate the transition from analog to Digital Television (DTT) and the use of the Digital Dividend,
- Avoid harmful interference,
- Build informal consensus in the region towards the conclusion of formal agreements between the administrations involved before notification of the frequency assignments to the ITU.



Basis of compatibility assessment

The meeting focuses on ensuring the compatibility of the national frequency plans in support of terrestrial television broadcasting and mobile broadband, taking into account:

Existing analog television broadcasting emissions and broadband mobile transmissions,

Current and future plans, if any, for DTT and Mobile Broadband,

The need, where applicable, for simulcast digital and analog transmissions,

The standards adopted at national level for DTT and Mobile Broadband,

The timelines and activities for frequency assignment and planning.



BR support

Use of the compatibility analysis software used for GE-06 Planning, suitably modified to take into account:

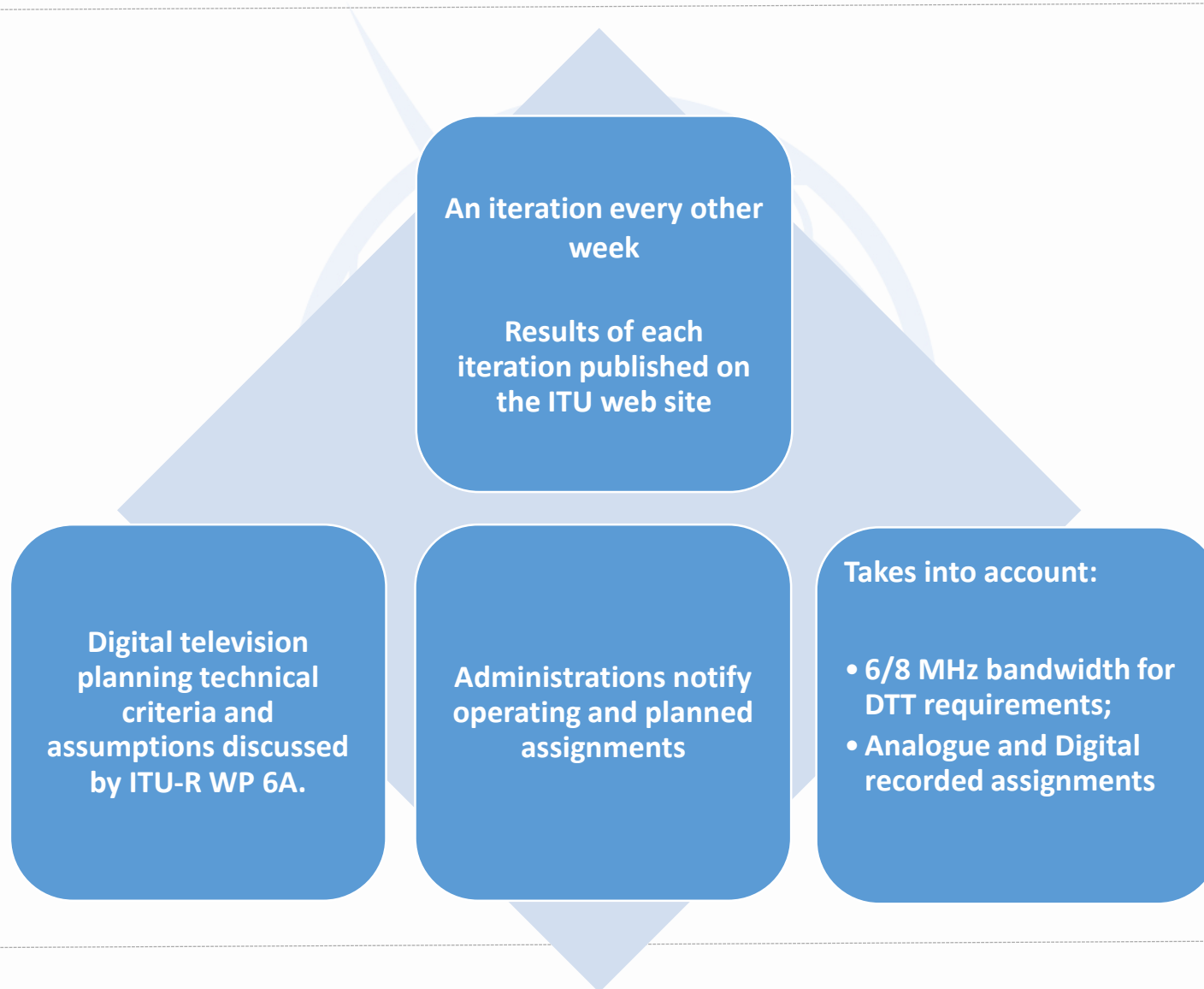
Channeling arrangements

Standards and sharing criteria

Need for capacity building and assistance



Coordination process





Outcome of the meetings

700 MHz

Harmonize the use of the 700 MHz by Mobile Services, to the maximum extent possible

600MHz

Avoid the assignment of DTT channels in the band during the frequency coordination if the Administration intends to use the band for Mobile Services

No new or modified assignments to the MIFR in the concerned bands, until after the last iteration at the 4th meeting (around 6 months).

To freeze the last iteration's assignable or agreed channels and keep a reference list of assigned frequencies.

Administrations made a step forward towards a successful coordination agreement





Schedule for the CAC frequency coordination meetings

First meeting

Managua,
March 2017

3rd meeting

Panama City
May 2018

2nd meeting
Guatemala City
August 2017

4th and final meeting:
Belize City
September 2018



Notification to the
MIFR



A large, light blue, semi-transparent watermark of the ITU logo is centered on the page. It consists of a globe with latitude and longitude lines, two red lightning bolts, and the letters "ITU" in a bold, sans-serif font.

Thank you!
