



African Telecommunications Union

Continental status of preparations regarding WRC-15 Agenda Items 1.1 and 1.2

a presentation to the RRS 2013 - Future of UHF Band in Africa Forum
Yaoundé 20 Sep 2013

Kezias MWALE
Technical Coordinator

k.mwale@atu-uat.org
www.atu-uat.org



Presentation outline

1. Past activities and developments
2. Statuses of Agenda Items 1.1 & 1.2
3. Way forward/recommndations
4. Conclusions



past activities and developments

1. Two Digital Migration and Spectrum Policy Summits (Nairobi and Accra)
 - Adopted the second digital dividend subject to favorable GE06 modification to accommodate DTT spectrum requirements within 470–694MHz
2. Three GE06 frequency medication and coordination events (Bamako, Kampala and Nairobi)
 - Favorable GE06 modification to accommodate DTT spectrum requirements within 470–694MHz
3. One Continental WRC–15 Preparatory Meeting in Dakar held in **18 – 20 March 2013**
 - Collated preliminary views on various agenda items including WRC–15 Agenda Item 1.1 and 1.2
 - Adopted the **African Spectrum Working Group (AfriSWoG)**
4. Establishment (by way of ratification of framework) of the African Spectrum Working Group by the 14th Admin Council (May 2013, Dar-es-salaam)
5. Active participation in the East London JTG meeting



Agenda Item	Topic	Preliminary views
1.2	Second Digital Dividend (694 – 790MHz)	<ol style="list-style-type: none">1. Allocation<ul style="list-style-type: none">• Support the allocation of the 694–790MHz to MOBILE service on co-primary basis (5.312A refers)2. Band Edge<ul style="list-style-type: none">• Support the 694MHz as band edge3. Channeling<ul style="list-style-type: none">• Harmonization with the lower duplexer of APT 700 MHz as a starting point4. Out of Band Emission (OoBE)<ul style="list-style-type: none">• Similar with APT applicable values in order to achieve the much needed economies of scale – which is crucial to Africa as the market is largely price sensitive to user devices



Agenda Item	Topic	Preliminary views
1.1	Additional spectrum to mobile and identification thereof for IMT under mobile service	<ol style="list-style-type: none">1. The 470 – 694 MHz band<ol style="list-style-type: none">a. View 1: To be excluded in the studiesb. View 2: To be included for study2. The 3400 – 3600MHz band<ol style="list-style-type: none">a. View 1: To be included in the studies see 5.430A which list 27 countries for IMT use;b. View 2: To be excluded for study3. The 3600 – 4200MHz band<ol style="list-style-type: none">a. View 1: To be excluded in the studies (Section 9.9 of Dakar Report)<ul style="list-style-type: none">• C-band remains crucial to most parts of Africa sometimes as the only form of communications• is increasingly being for aeronautical services• C-band is used as backbone for IMT in many partsb. View 2: To be included for study4. Other bands<p>No <u>strong</u> view on whether or not to consider other satellite bands (1518–1559 MHz, 1626.5–1660.5 MHz, 1668–1675 MHz)</p>



Future steps

1. Complete the **official process** for GE06 modification
2. Make an **urgent assessment** of the use of the extended C-band satellite band (3400-3600MHz) by VSATs for civil aviation use
3. Actively participate in the work of **AfriSWoG**: first meeting is scheduled for **12 – 14 November 2013, at AFRALTI, NAIROBI**
4. Actively participate in the preparatory meetings of ATU WRC-15 preparations, next meeting scheduled for **27 – 31 January 2014 in Khartoum, Sudan.**
5. Actively participate in the work of ITU Study Groups and ITU WRC-15 preparatory process such the 1st ITU Inter-regional WRC-15 preparatory workshop scheduled for **4-5 December 2013**



Conclusion

1. Africa can build on the success story of WRC-07 and WRC-12 for yet another success at WRC-15
2. Thus far, the continent has performed well in facilitating actual realization of the digital dividend
3. Having have concluded the GE06 modification, the focus will now be placed on:
 - a. actual digital migration i.e. Analogue Station Switch-offs
 - b. Technical studies for OoBE values under WRC-15 Agenda Item 1.2
4. Active participation by regions is crucial '*working together we can do more*' (RSA)



thank you

Kezias MWALE
Technical Coordinator

k.mwale@atu-uat.org
www.atu-uat.org

