



African Spectrum Working Group (AfriSWoG)

Annex 11
14-Nov-2013
Pre-recommendation

Preliminary recommendations on the key issues under WRC-15 1.1 and 1.2

The following tables summarizes the preliminary recommendations on the key issues under WRC-15 agenda item 1.1 and 1.2 [for the consideration of the ATU WRC-15 Preparatory meeting scheduled for 27 – 31 January 2013 in Sudan]. It is hoped that the preliminary recommendations will be reviewed before or during the Sudan meeting and be submitted as recommendations to the Sudan meeting as input contribution from AfriSWoG.

Table 1: Agenda Item 1.1

No.	Issue	Recommendation
1	Identification for IMT of the band 470 – 694MHz	Considering the planned extensive use of the band for DTT and the available sharing studies which indicate that sharing is not feasible with IMT, it is recommended that the region should not support identification of the band for IMT.
2	Identification for IMT of the band 3400 - 3600MHz (the extended C-band)	Considering the purported increasing use of the band for civil aviation which is safety-of-life use and the reliance of the band by the tropical region for satellite communications, it is recommended that the region continues to undertake assessment of the current and planned use of the band in order to make an informed decision at an appropriate time.
3	Identification for IMT of the band 3600 - 4200MHz (the core C-band)	Considering the extensive use of the band for satellite communications in particular the tropical areas of the region and the available sharing studies which indicate that sharing is not feasible with IMT, it is recommended that the region should not support identification of the band for IMT.
4	Identification for IMT of the band 5850-6425 MHz	Considering the extensive use of the band for satellite communications in particular the tropical areas of the region and the available sharing studies which indicate that sharing is not feasible with IMT, it is recommended that the region should not support identification of the band for IMT.
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Table 2: Agenda Item 1.2

No.	Issue	Recommendation
1	Taking effect of the allocation after WRC-15	Considering the success of the GE06 Plan modification in the region whereby all UHF band DTT requirements have been planned between 470 – 694MHz, [and the possibility of migrating the analogue TV stations in the band 694 – 862MHz by end of 2015], it is recommended that the region supports the taking effect of the allocation immediately after WRC-15 as per resolves 2 of Resolution 232 of WRC-12 . It is recognized that actual implementation of the allocation is a national issue for which administrations can determine.
2	Refinement of the lower band edge around 694MHz which also refers to band segmentation between DTT and IMT	Considering the success of the GE06 Plan modification in the region whereby all UHF band DTT requirements have been planned between 470 – 694MHz, it is recommended that the lower band edge be kept at 694MHz as intended in RR 5.312A and Resolution 232.
3	Protection of Channel 48 of UHF DTT	Considering that DTT Channel 48 has been widely planned as part of the UHF band DTT plans in the region, it is recommended that the channel be protected via mandatory mechanism(s) to [legally] guarantee the desired protection.
4	Channelling plan adapted to the 694 – 790 band	Considering the need to protect DTT Channel 48 (see issue 3 above), it is recommended the region supports channelling options that guarantee the protection of Channel 48 while fostering full or partial harmonization with the APT700 Plan (3GPP Band 28). In addition, it is recommended that the region supports enhancements such as supplementary downlink to achieve better spectral efficiency.
5	Band usage technical parameters in particular the OoBE	Considering the need to have the band usage technical parameters in particular the OoBE for IMT user equipment harmonised with the APT700 Plan (3GPP Band 28) in order to foster roaming and economies of scale, it is recommended that band usage technical parameters in particular the OoBE for IMT user equipment be similar to that of the APT plan.
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