

SADC -Implementation of WRC-15 Outcomes

**Presented During the Capacity Building Workshop on
Implementation of WRC-15 Outcomes and Development of
National Broadband Plans”**



Presented by: Dr. George Ah-Thew
Programme Officer – Telecommunications

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Cotonou, Benin

SADC Secretariat – Infrastructure and Services Directorate



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Overview of SADC Preparatory Activities for WRC-15 [1/3]

● SADC Meetings Organised

- 1st Preparatory Meeting – 21st to 24th June 2013 in Victoria Falls, Zimbabwe.
- 2nd Preparatory Meeting – 30th June to 4th July 2014 in Luanda, Angola.
- 3rd Preparatory Meeting – 23rd to 26th February 2015 in Gauteng, South Africa.
- 4th Preparatory Meeting – 11th to 15th May 2015 in Victoria Falls, Zimbabwe.
- SADC – EACO Meeting – 16th to 17th July 2015 in Nairobi, Kenya.
- 5th Preparatory Meeting – 14th to 18th September 2015 in Gaborone, Botswana.
- Post WRC-15 SADC Meeting – 8th to 10th March 2016 in Maputo, Mozambique.

Overview of SADC Preparatory Activities for WRC-15 [2/3]

● Organisation of Work

- Malawi was the Chair of the SADC WRC-15 preparatory process.
- SADC Member States nominated their six (6) Chapter Coordinators and Rapporteurs for each Agenda Item.
- SADC Member States attended all four (4) African Group Preparatory (AGP) Meetings for WRC-15 organised by the ATU.
- SADC Member States also participated in African Spectrum Working Group (AfriSWoG), where Tanzania was the Chair.
- SADC Secretariat was always supported by the ATU to attend the AGP Meetings.
- Received assistance from ITU Expert during 3rd SADC Preparatory Meeting for WRC-15.
- Study on Estimated Total Spectrum Requirements for Mobile in 2020.
- Invited key industry players to participate in our meetings right from the start.
- Developed several questionnaires in order to establish a common position on some WRC-15 Agenda Items (1.1, 1.6.1, 1.11 and 9.1.5).

Overview of SADC Preparatory Activities for WRC-15 [3/3]

● Outputs

- Prepared Media Statements at the conclusion of each SADC preparatory meeting.
- Harmonized SADC/EACO positions where possible.
- Developed the SADC Common Positions and Proposals for WRC-15 Agenda Items as per ITU template.
- Prepared meeting reports to update Member States. On SADC's Extranet.
- Compared SADC positions with other regions.
- Prepared several input documents to ITU-R Joint Task Groups 4-5-6-7 (JTG 4-5-6-7) and Working Party-5D (WP-5D) meetings on Agenda Items 1.1 and 1.2.
- Prepared the SADC Reference Handbook for WRC-15 to guide Member States.
- Considered the outcomes of the ITU Inter-Regional Workshops on WRC-15 and the Conference Preparatory Meetings (CPMs).
- Continuously reviewed the SADC Roadmap to RA-15 and WRC-15.

Recommendations on WRC-15 Outcomes

General

- SADC Secretariat urged to promote training to deal with Science issues and in satellite transmission policy frameworks and satellite regulatory/procedural matters in the English language. Learning from experiences within the region and the continent should also be considered; and
- Member States are urged to develop capacity in satellite regulatory issues to ensure that the interests of the region are protected for future use of satellite technologies.
- NB: First SADC-ITSO Satellite Policy Capacity Building Workshop for Policy Makers and Regulators was convened in February 2015 in Gauteng, South Africa. AfDB and ITU also supported this capacity building initiative. Follow up training is planned.

Recommendations on WRC-15 Outcomes

Chapter 1

- The outcomes of the Chapter 1 Agenda Items will result in significant changes to Radio Regulations Article 5 (Table of allocations) including introduction of new radio services, removal of allocations for radio services that have been phased out and the GFT allocation. This will require the following activities:
 - Member States are urged to update of National Frequency Plans; and
 - CRASA urged to update SADC Frequency Allocation Plan (FAP);
- IMT frequencies: The new allocations for IMT will require that CRASA carries out the following:
 - Frequency spectrum channeling arrangements proposal for L-Band;
 - Frequency spectrum channeling arrangements proposal for 3300-3400 MHz;
 - Promote the idea of 3300-3400 MHz to the rest of Africa;
- On Public Protection and Disaster Relief (PPDR), Member States are urged to harmonise their policies in order for the SADC region to realise the benefits of allocation (Broadband PPDR); and
- On the Protection of Channel 48, Member States urged to undertake a peer review on those that have implemented IMT on UHF to ascertain if there are implementation challenges (mainly interference).

Recommendations on WRC-15 Outcomes

Chapter 2

- Member States are urged to familiarize themselves with the ITU administrative satellite rules of procedures and coordination processes required for space network implementation in order to avoid incidences of harmful interference and adequately protect existing services;
- Member States are urged to promote more participation of satellite industry actors in the preparatory work of the future conferences to benefit from their expertise in satellite issues;
- Member States are urged to invite industry experts in the region to participate in studies associated with Coordinated Universal Time (UTC) to ensure that regional interests are protected; and
- The meeting noted that Science Issues are complex in their nature as evidenced by the levels of discussions in the conference, and that Member States might not have the necessary capacity to deal with these issues. As a result the meeting proposed that, as part of the SADC Work Plan for WRC-19, the focus should be on knowledge and capacity building to deal with Science Issues.

Recommendations on WRC-15 Outcomes

Chapter 3

- Member States are urged to follow up with national Civil Aviation Authorities and the ICAO on all ICAO issues, including the necessary standards and best practices to be developed by the ICAO and Agenda Item 1.5 on regulations;
- Member States urged to establish coordination between national/regional (SADC) maritime and aeronautical authorities and the Ministries of Transportation within the SADC Region on maritime/aeronautical WRC-15 outcomes, including the use of Unmanned Aircraft System (UAS);
- Member States are urged to take the International Maritime Organization (IMO) and ICAO contributions on safety issues seriously;
- Amendments should be made to the respective footnotes on FSS frequency bands approved for UAS use, footnote on the use of automotive Radars and the footnote No. 5.287 relating to on-board communication of marine vessels; and
- Amendment of Footnotes related to Agenda 1.5 and 1.15 (footnote 5.287) [effective only after WRC-19].

Recommendations on WRC-15 Outcomes

Chapter 4

- Member States urged to ensure compliance of technical parameters (i.e. power flux-density (pfd) limits, distance separation at the border, antenna size of earth stations, etc.) to protect existing services and avoid interference; and
- Member States urged to liaise with Chapter Coordinator and Agenda Item Rapporteurs for further recommendations in this Chapter.

Recommendations on WRC-15 Outcomes

Chapter 5

- Member States are urged to contribute to the work of Working Party 4A (WP-4A) by submitting contributions and follow the progress on Agenda Item 7 of the next conference to ensure that regional interests in nano and pico satellites are supported;
- Member States are encouraged to contribute to the ITU-R studies;
- Member States are encouraged to note the decisions made on Agenda Item 7 regarding the notification process of satellite networks;
- On the issue of satellite, Member States should take into account that in the medium or long term plan, Member States may launch their own satellites. However there is need to ensure there is a healthy environment for the sharing of orbits; and
- The meeting also noted that the SADC Region continues to lag behind on satellite regulatory issues, partly because of limited participation in space and satellite programs. This will result in lost opportunities in terms of optimal orbital positions (example) for SADC Member States in the event interest grows in 10-15 years' time. In this regard, the meeting proposed that the SADC develops a deliberate interest/foresight on satellite/space related issues.

Recommendations on WRC-15 Outcomes

Chapter 6

- Given the future Agenda Items for WRC-19 and WRC-23 including the lead time of WRC cycles it is critical that SADC immediately establish a dedicated multidisciplinary team with clear terms of reference to follow and contribute to the agenda items of strategic significance to the SADC region in preparation for WRC-19;
- Member States are urged to pay special attention to the General Issues and make contribution to Agenda Items that deals with Report of the Director of the Radiocommunications Bureau (BR) as they have a significant impact on the ITU Radio Regulations, an International treaty that governs the global use of the Radio Spectrum. This includes specific attention to Agenda Item 1.10 which deals with the safety of life;
- Member States are urged to prepare thoroughly on future WRC Agenda Items;
- Member States are urged to establish communication with national civil aviation authorities on the allocation and the conditions on the use of the band; and
- Member States are urged to follow-up on the GFT WRC-19 Agenda Items.

SADC Roadmap for WRC-19 [1/3]

- SADC Roadmap for WRC-19 has been prepared listing the various upcoming meetings organized by SADC, ATU (Working Groups, AfriSWoG and Africa Group Preparatory Meetings) and ITU (Study Groups, Inter-Regional WRC-19 Preparatory Workshops, CPM19-2, RA19 and WRC-19);
- Botswana is the Chair of the SADC WRC-19 preparatory process; and
- SADC Member States are in the process of nominating their representatives for Chapter Coordinators and Rapporteurs for the WRC-19 Agenda Items.

SADC Roadmap for WRC-19 [2/3]



SADC ROADMAP FOR WRC-19

ACTIVITY	START DATE	END DATE	LOCATION	RESPONSIBILITY
1 st Session CPM19-1	30/11/15	01/12/15	Switzerland (Geneva)	ITU
Post WRC-15 SADC Meeting	8/03/2016	10/03/2016	Maputo, Mozambique	SADC
1 st SADC Preparatory Meeting for WRC-19	20/06/16	24/06/16	TBC	SADC Secretariat
1 st African Preparatory Meeting for WRC-19	25/07/16	29/07/16	Cameroun (Yaoundé)	ATU
Official Submission of Names of Rapporteurs and Chapter Coordinators to SADC Secretariat	08/04/16	08/04/16	SADC Secretariat	Member States
Publication of Draft CPM Report		?/18	Switzerland (Geneva)	ITU
2 nd SADC Preparatory Meeting for WRC-19	05/17	05/17	TBC	SADC Secretariat
2 nd African Preparatory Meeting for WRC-19	07/17	07/17	TBC	ATU
3 rd SADC Preparatory	05/18	05/18	TBC	SADC Secretariat

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SADC Roadmap for WRC-19 [3/3]

Meeting for WRC-19				
3 rd African Preparatory Meeting for WRC-19	07/18	07/18	TBC	ATU
2 nd Session CPM19-2	/19	/19	Switzerland (Geneva)	ITU
SADC-EAC Meeting for WRC-19	08/19	08/19	TBC	SADC and EAC Secretariats
4 th SADC Preparatory Meeting for WRC-19	?/19	?/19	TBC	SADC Secretariat
4 th African Preparatory Meeting for WRC-19	10/19	08/19	TBC	ATU
5 th SADC Preparatory Meeting for WRC-19	/19	10/19	TBC	SADC Secretariat
RA-19	/19	/19	Switzerland (Geneva)	ITU
WRC-19	/19	/19	Switzerland (Geneva)	ITU

Thank you for your kind attention

gah-thew@sadc.int
www.sadc.int



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