



ATU PREPARATIONS FOR WRC-23
ICAO ESAF/WACAF Regional Workshop for the (ITU-WRC 23)

PRESENTED BY: LISA TELE

27 APRIL 2022

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ATU PREPARATIONS FOR WRC-23 ICAO ESAF/WACAF Regional Workshop for the (ITU-WRC 23)

The ATU Preparatory Meetings (**APM**) are responsible for:

- ❑ Developing the African Common Proposals (**ACP**)
- ❑ Developing briefs for WRC-23 and RA-23
- ❑ Convening working group meetings
- ❑ Convening APM meetings

ATU PREPARATIONS FOR WRC-23 ICAO ESAF/WACAF Regional Workshop for the (ITU-WRC 23)

The structure of APM-23:

ATU Secretary General:
Mr John Omo

APM 23-1 Chairman:
Mr Valery Ottu
Cameroon

APM 23-2 Chairman:
Mr George Yayi
Benin

APM 23-3 Chairman:
TBC
TBC

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MEMBERS OF THE ATU:



The ATU is composed of 48 African member states, and 54 Associates.



Member states are formed by four African Regional Economic Communities.



1. EAC- East African Community
2. ECCAS-Economic Community of Central African States
3. ECOWAS-Economic Community of West African States
4. SADC- Southern African Development Community



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RECENT AND FUTURE ATU Preparatory Meetings

Meeting Name	Date	Venue
APM 23-1	17-21 August 2020	Hosted by Cameroon (Virtually)
APM 23- 2	6-10 September 2021	Hosted by Benin (Virtually)
APM 23-3	August 2022	TBC

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ATU Working Groups Structure WRC-23

Chapter	Title	Agenda Items	Chairman /Rapporteur
Chpt 1 WG 1	Fixed, Mobile and Broadcasting	Agenda items 1.1,1.2,1.3,1.4,1.5	Richard Makgotlho Rmakgotlho@ICASA.org.za
Chpt 2 WG 2	Aeronautical and maritime issues	Agenda items 1.6,1.7,1.8,1.9,1.10 1.11	Lisa Tele lisat@atns.co.za Hilario Tamele htamele@arecom.gov.mz
Chpt 3 WG 3	Science Issues	Agenda items 1.12,1.13,1.14,9.1	Lephoi Ntsoebea lnntsoebea@lca.org.ls
Chpt 4 WG 4	Satellite Issues	Agenda items 1.15,1.16,1.17,1.18,1.7 A,B,C,D,E	Patrick Musiyapo pmusiyapo@macra.org.mw
Chpt 5 WG 5	General issues	Agenda items 2,4,8,9,10	Victor Kweka victor.kweka@tcra.go.tz

AERONAUTICAL AND MARITIME ISSUES

Agenda Item 1.6: Sub-orbital vehicles

The APM23-2:

Support the ongoing ITU-R studies to develop regulatory provisions to facilitate the operation of sub-orbital vehicles, while ensuring the protection of current civil aviation, space launch systems and radio astronomy.

Note and recall that the scope of this agenda item excludes any new allocations or changes to the existing allocations in Article 5.

AERONAUTICAL AND MARITIME ISSUES

Agenda Item 1.7: Aeronautical VHF communications ,

The APM23-2:

Support the ITU-R ongoing technical studies and regulatory procedures in order to improve/enhance the aeronautical communications in oceanic and remote areas, while ensuring the protection of the existing radio communication services, without imposing any operational constraints on existing VHF aeronautical systems or other services operating at the adjacent frequency bands.

AERONAUTICAL AND MARITIME ISSUES

Agenda Item 1.8: Revising Resolution 155 (Rev.WRC19)

The APM23-2:

Support the review and possible revision of Resolution 155 (Rev.WRC-19) and No. 5.484B in the frequency bands to which they apply. Specifically, support the application of safety of life standards with UAS CNPC links and ensure that the requirements of ICAO with respect to UAS CNPC links operations are considered, as well as ensure the protection of the current systems operating in terrestrial and space services without adversely affecting these services.

AERONAUTICAL AND MARITIME ISSUES

Agenda Item 1.9: Modernized HF systems

The APM23-2:

Support the ITU-R technical and regulatory studies to identify the necessary modifications to RR appendix 27, in order to accommodate digital technologies that are supposed to improve the HF communication systems and enhance aviation safety-of-life applications, provided that:

The new proposed HF systems should coexist with the existing analog voice and data communication systems and operate in accordance with the ICAO SARPs.

Protection of in band and adjacent band services shall be ensured.

AERONAUTICAL AND MARITIME ISSUES

Agenda Item 1.10: Aeronautical Mobile Service

The APM23-2:

Support the ITU-R studies (Working Party 5B) to ensure the protection of incumbent services as well as the adjacent services, such as defining unwanted emission limits and appropriate protection measures for station of aeronautical mobile service in the frequency bands 15.35-15.4 GHz and 22.21-22.5 GHz to protect EESS (passive) and radio astronomy service.

OTHER AGENDA ITEMS AFFECTING AERONAUTICAL

Agenda Item 1.1: Protection of stations of the aeronautical and maritime mobile services located in international airspace .

The APM 23-2:

Support, based on the results of the studies, global/regional harmonization of the frequency band 4800-4990 MHz for the implementation of IMT, taking into account the protection of incumbent services.

OTHER AGENDA ITEMS AFFECTING AERONAUTICAL

Agenda Item 1.2: Identification of the frequency bands 3 300-3 400 MHz, 3 6003 800 MHz, 6 425-7 025 MHz, 7 025-7 125 MHz and 10.0-10.5 GHz for International Mobile Telecommunications.

The APM 23-2:

Support removal of stringent conditions through amendment of footnotes 5.429A and 5.429B, as appropriate.

Encourage African countries not yet listed in footnote 5.429B to consider adding their names to the footnote at WRC-23, in order to achieve harmonization, taking into account Resolution 26 (Rev. WRC-19);

Conduct a survey among ATU Member States to identify services deployed at national level in the 6 425 – 7 125 MHz, with a view to protect existing services, and based on the results develop contributions to ITU-R WP5D, as appropriate.

OTHER AGENDA ITEMS AFFECTING AERONAUTICAL

Agenda Item 1.4: Use of High-altitude platform stations as IMT Base Stations (HIBS).

The APM 23-2:

Support studies to enable the use of HIBS in bands below 2700 MHz, already identified for IMT,

Support the ITU-R sharing and compatibility studies for HIBS usage and protection of existing co-primary and primary services in adjacent bands without adversely affecting these services,

Support, based on the result of studies, the global/regional harmonization on the use of the frequency bands for HIBS, which may include addition of African countries names in the existing footnotes in the RR.

OTHER AGENDA ITEMS AFFECTING AERONAUTICAL

Agenda Item 1.11: modernization of the Global Maritime Distress and Safety System.

The APM 23-2:

Support the development of possible regulatory procedures for GMDSS modernization, E-navigation implementation and introducing a new GMDSS satellite system while ensuring the protection of radio astronomy and other incumbent services as well as current GMDSS systems.

OTHER AGENDA ITEMS AFFECTING AERONAUTICAL

Agenda Item 1.13: Allocation of the frequency band 14.8-15.35 GHz to the space research service.

The APM 23-2:

Support the studies under this Agenda Item to upgrade the use of SRS in the band 14.8 – 15.35 GHz without imposing constraints on existing systems of primary allocation in-band and adjacent bands. Specifically ensuring the protection of Radio Astronomy, Earth Exploration and SRS passive in the band 15.35 – 15.4 GHz.

OTHER AGENDA ITEMS AFFECTING AERONAUTICAL

Agenda Item 1.15: Harmonize the use of the frequency band 12.75-13.25 GHz (Earth-to-space) by earth stations on aircraft.

The APM 23-2:

Support the studies on the regulatory and technical aspects for ESIMs on aircraft and vessels communicating with GSO space stations in the FSS operating in the frequency band 12.75-13.25 GHz (Earth-to-space), while ensuring protection to the existing services and those in the adjacent bands within the frequency band 13.25–13.75 GHz, taking into account the need to protect Appendix 30B.

OTHER AGENDA ITEMS AFFECTING AERONAUTICAL

Agenda Item 1.16: Non-GSO FSS earth stations in motion.

The APM 23-2:

Support studies towards development of regulatory framework for the use of the frequency bands 17.7-18.6 GHz and 18.8-19.3 GHz and 19.7-20.2 GHz (space-to-Earth) and 27.5-29.1 GHz and 29.5-30 GHz (Earth-to-space) by non-GSO FSS earth stations in motion while ensuring the protection of the incumbent services in the concerned frequency bands and in adjacent bands.

THANK YOU FOR YOUR ATTENTION

Presented by: Lisa Tele

Rapporteur for Agenda Item 1.10

[Email: lisat@atns.co.za](mailto:lisat@atns.co.za)

Mobile: +2783 779 3920

