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STATUS OF AFRICAN TELECOMMUNICATION UNION (ATU) PREPARATIONS FOR WRC-23



Presentation to the FSMP/
WG-17 on preparatory of
ATU for the WRC-23



ICAO MID, Cairo
28 - 29 August 2023



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STRUCTURE OF ATU PREPARATORY MEETINGS (APM-23)

The ATU Preparatory Meetings (**APM**) and Working Group (**WG**) are responsible for developing the African Common Position (**AfCP**) and briefs for WRC - 23 and RA - 23. Below is the structure of APM.

Chairman: Mr Valerie Hilaire OTTOU, Cameroon

Vice Chairman: Mr Makhabane Mohale, Lesotho

Secretary General: Mr John Omo, Kenya

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MEMBERS OF THE AFRICAN TELECOMMUNICATION UNION

The ATU is composed of 44 African member states,



with four African Regional Economic Communities.

1. EACO-East African
Communications
Organisation

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 MEETINGS FOR WRC 23 PREPARATION

1. APM 23-1: 18-22 July 2020, Online

2. APM 23-2: 11-15 September 2021, Online

3. APM 23-3: 17-21 September 2022 in Zambia

4. APM 23-4: 07- 11 August 2023 in Cameroon



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WRC-23 ATU WORKING GROUP STRUCTURE

CHAPTER	TITLE	AGENDA ITEMS	ATU REPRESENTATIVES / CHAIR
Chapter 1 WG-1	Fixed, Mobile & Broadcasting services	1.1, 1.2, 1.3, 1.4, 1.5, and 9.1C	Abdouramane El Hadjar, Cameroun choco0742@live.ca
Chapter 2 WG-2	Aeronautical and Maritime	1.6, 1.7, 1.8, 1.9, 1.10, 1.11, 9.1B	Hilario Tamele, Mozambique htamele@incm.gov.mz
Chapter 3 WG-3	Science Issues.	1.12, 1.13, 1.14, 9.1A, 9.1D	George William Kasangaki, Uganda wkasangaki@ucc.co.ug
Chapter 4 WG-4	Satellite Issues.	1.15, 1.16, 1.17, 1.19, 7B,7C,7D,7E, 7F, 7G, 7I	Basebi Mosinyi, Botswana Mosinyi@BOCRA.ORG.BW
Chapter 5 WG-5	General Issues	2, 4, 8, 9.2, 9.3, 10	Stella Banyenza, Tanzania stella.banyenza@tcra.go.tz



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AERONAUTICAL CHAPTER

AGENDA ITEM : 1.6

SUB ORBITAL VEHICLES

APM23-4 AGREED TO SUPPORT METHOD C

AS THE AFRICAN COMMON POSITION (AFCP)

A REVISION TO RESOLUTION 772 (WRC 19), TO CLARIFY THE LIST OF NECESSARY STUDIES AND TO EXTEND THEIR DURATION.



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AERONAUTICAL CHAPTER

AGENDA ITEM : 1.7

AERONAUTICAL VHF COMMUNICATIONS

APM23-4 AGREED TO SUPPORT METHOD B1

AS THE AFRICAN COMMON POSITION (AFCP)

ENSURING PROTECTION OF THE AM(R)S IN THE FREQUENCY BAND
117.975-137 MHZ AND THE AM(OR)S IN THE FREQUENCY BAND 132-137
MHZ, NOTING THAT THE CHARACTERISTICS OF THE AM(OR)S ARE NOT
AVAILABLE.



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AERONAUTICAL CHAPTER

AGENDA ITEM : 1.8

POSSIBLE REVISING RESOLUTION 155 (REV.WRC19)

APM23-4 AGREED TO SUPPORT METHOD A

AS THE AFRICAN COMMON POSITION (AFCP)

WHICH PROPOSES TO SUPPRESS RR NO. 5.484B TOGETHER WITH RESOLUTION 155 (REV.WRC-19) AS WELL AS RESOLUTION 171 (WRC-19), SINCE SO FAR, NO SATISFACTORY SOLUTION IDENTIFIED FOR THE OPERATION OF UA EARTH STATIONS.



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AERONAUTICAL CHAPTER

AGENDA ITEM : 1.9

POSSIBLE REVIEW APPENDIX **27** IN ORDER TO ACCOMMODATE
DIGITAL TECHNOLOGIES

APM23-4 AGREED TO SUPPORT METHOD B

AS THE AFRICAN COMMON POSITION (AFCP)

PROTECTION OF IN BAND AND ADJACENT BAND SERVICES SHALL BE
ENSURED.



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AERONAUTICAL CHAPTER

AGENDA ITEM : 1.10

POSSIBLE NEW ALLOCATIONS FOR THE AERONAUTICAL MOBILE SERVICE (AMS)

APM23-4 AGREED TO SUPPORT METHOD E

AS THE AFRICAN COMMON POSITION (AFCP)

THAT IS THE COMBINATION OF METHODS B AND C WITH 10 MHZ GUARD BANDS.



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NON-AERONAUTICAL CHAPTER

AGENDA ITEM : 1.2

IDENTIFICATION OF THE FREQUENCY BANDS 3 300-3 400 MHZ, 3 600-3 800 MHZ, 6 425-7 025 MHZ, 7 025-7 125 MHZ AND 10.0-10.5 GHZ FOR INTERNATIONAL MOBILE TELECOMMUNICATIONS(IMT),

APM23-4 AGREED TO SUPPORT METHOD 1F

AS THE AFRICAN COMMON POSITION (AFCP)

1. FOR THE FREQUENCY BAND 1 (3 300 – 3 400 MHZ):

SUPPORT METHOD 1F

2. FOR THE FREQUENCY BAND 4 (6 425 – 7 025 MHZ); BAND 5 (7 025 – 7 125 MHZ):

SUPPORT METHODS 4C AND 5C (ALTERNATIVE 2),

3. FOR FREQUENCY BAND 5 (3 600-3 800 MHZ) AND BAND 6 (10 – 10.5 GHZ (REGION 2)

SUPPORT ALLOCATION TO MOBILE SERVICE, AND POSSIBLE IMT IDENTIFICATION



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NON-AERONAUTICAL CHAPTER

AGENDA ITEM : 1.3

POSSIBLE PRIMARY ALLOCATION OF THE FREQUENCY BAND 3 600-3 800 MHZ TO THE MOBILE SERVICE IN REGION 1

APM23-4 AGREED TO SUPPORT AS A MATTER OF COMPROMISE, THE FOLLOWING AS THE AFCP:

1. UPGRADE THE ALLOCATION OF THE FREQUENCY BAND 3 600-3 800 MHZ IN REGION 1 TO THE MOBILE ON A PRIMARY BASIS IN THE TABLE OF FREQUENCY ALLOCATION.
2. ADDRESS THE PROTECTION OF THE EXISTING SATELLITE SERVICES OPERATING IN THE C-BAND SUCH AS AERONAUTICAL RADIO SERVICES.



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NON-AERONAUTICAL CHAPTER

AGENDA ITEM : 1.4

TO CONSIDER, IN ACCORDANCE WITH **RESOLUTION 247 (WRC-19)**, THE USE OF HIGH-ALTITUDE PLATFORM STATIONS AS IMT **BASE STATIONS (HIBS)**

APM23-4 AGREED TO SUPPORT AS THE AFCP:

METHODS A3, B3, C3, D3 WHICH IDENTIFY THE FOLLOWING FREQUENCY BANDS FOR USE BY HIGH-ALTITUDE PLATFORM STATIONS AS INTERNATIONAL MOBILE TELECOMMUNICATIONS (IMT) BASE STATIONS (HIBS)

694 - 960 MHZ, 1710 - 1885 MHZ, 1885 - 1980 MHZ, 2010 - 2025 MHZ, 2110 - 2170 MHZ AND 2500 - 2690 MHZ



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NON-AERONAUTICAL CHAPTER

AGENDA ITEM : 1.13

POSSIBLE UPGRADE OF THE ALLOCATION OF THE FREQUENCY BAND 14.8-15.35 GHZ TO THE SPACE RESEARCH SERVICE, IN ACCORDANCE WITH RESOLUTION **661 (WRC-19)**

APM23-4 AGREED TO SUPPORT AS THE AFCP:

NO CHANGE TO THE RADIO REGULATIONS. IF THE PROPOSED METHODS DO NOT PREVENT HARMFUL INTERFERENCE TO THE INCUMBENT SERVICES AND DO NOT PROTECT SYSTEMS OF PRIMARY SERVICES IN THE FREQUENCY BAND 14.8-15.35 GHZ,



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NON-AERONAUTICAL CHAPTER

AGENDA ITEM : 1.15

HARMONIZE THE USE OF THE FREQUENCY BAND 12.75-13.25 GHZ (EARTH-TO-SPACE) BY EARTH STATIONS ON AIRCRAFT AND VESSELS COMMUNICATING WITH GEOSTATIONARY SPACE STATIONS IN THE FIXED-SATELLITE SERVICE GLOBALLY, IN ACCORDANCE WITH RESOLUTION 172 (WRC-19)

APM23-4 AGREED TO SUPPORT AS THE AFCP:

METHOD B IF THE FOLLOWING CONDITIONS ARE FULFILLED:

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



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NON-AERONAUTICAL CHAPTER

AGENDA ITEM : 1.15

HARMONIZE THE USE OF THE FREQUENCY BAND 12.75-13.25 GHZ (EARTH-TO-SPACE) BY EARTH STATIONS ON AIRCRAFT AND VESSELS COMMUNICATING WITH GEOSTATIONARY SPACE STATIONS IN THE FIXED-SATELLITE SERVICE GLOBALLY, IN ACCORDANCE WITH RESOLUTION 172 (WRC-19)

APM23-4 AGREED TO SUPPORT AS THE AFCP:

METHOD B IF THE FOLLOWING CONDITIONS ARE FULFILLED:

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



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NON-AERONAUTICAL CHAPTER

AGENDA ITEM : 1.16

FACILITATE 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 DUE PROTECTION OF EXISTING SERVICES IN THOSE FREQUENCY BANDS, IN ACCORDANCE WITH RESOLUTION **173 (WRC-19)**

APM23-4 AGREED TO SUPPORT AS THE AFCP:

METHOD B IF THE FOLLOWING CONDITIONS ARE FULFILLED:

FOR THE PROTECTION OF TERRESTRIAL SERVICES OPERATING IN THE 27.5-29.1 GHZ, TRANSMITTING NON-GSO ESIMS IN THE FREQUENCY BAND 27.5-29.1 GHZ SHALL NOT CAUSE UNACCEPTABLE INTERFERENCE TO TERRESTRIAL SERVICES TO WHICH THE FREQUENCY BAND IS ALLOCATED AND THAT OPERATE IN ACCORDANCE WITH THE RADIO REGULATIONS.



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ADDITIONAL APM -23 INFORMATION

[HTTP://ATU-UAT.ORG/](http://ATU-UAT.ORG/)

Thank you

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