



STATUS OF ATU PREPARATIONS FOR WRC-19

Presentation to the FSMP/ WG-9 on preparatory of ATU for the WRC-19

ICAO Montreal, 22-30 August 2019

Lisa Tele, South Africa

lisat@atns.co.za



STRUCTURE OF ATU Preparatory Meetings (APM-19)

The ATU Preparatory Meetings (**APM**) and Working Group (**WG**) are responsible for developing the African Common Position (**ACP**) and briefs for WRC-19 and RA-19. Below is the structure of APM.

Chairman: Mr Papa Cire Cisse, Senegal

Vice Chairman: Mr Augastine Nwaulune, Nigeria

Secretary General: Mr Abdoulakarim Soumaila, Kenya

sg@atu-uat.org



MEMBERS OF THE AFRICAN TELECOMMUNICATION UNION

The ATU is composed of 45 African member states,
with 4 African Regional Economic Communities.

1. EAC- East African Community
2. 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





RECENT AND FUTURE MEETINGS FOR WRC 19 PREP

1. APM 1: 18-20 July 2017 in Nairobi, Kenya
2. APM 2: 11-15 September 2017 in Dakar, Senegal
3. APM 3: 17-21 September 2018 in Cairo, Egypt
4. APM 4: 26-30 August 2019 in East London, South Africa



African Telecommunications Union
 ...promoting development of info-communication in Africa

WRC-19 ATU Working Group Structure

Chapter	Title	Agenda items	ATU Representatives /Rapporteur
Chpt 1 WG-1	Land, Mobile & Fixed services	1.11, 1.12, 1.13, 1.14 , 1.15	Abraham OSHADAMI (Nigeria) aoshadami@ncc.gov.ng
Chpt 2 WG-2	Broadband applications in the mobile service.	1.16, 9.1.1, 9.1.5, 9.1.8	Baxton Siweru, Zimbabwe siweru@potraz.gov.zw
Chpt 3 WG-3	Satellite Services.	1.4, 1.5, 1.6, 1.17, 9.1.2, 9.1.3, 9.1.9	Mandala MCHUNU (South Africa) MMchunu@icasa.org.za
Chpt 4 WG-4	Science Services.	1.2, 1.3, 1.7	Dick SONO (South Africa) dsono@dtps.gov.za
Chpt 5 WG-5	Maritime & Aeronautical and Amateur services.	1.1, 1.8 , 1.9.1, 1.9.2, 1.10 , 9.1.4	Abdouramane El Hadjar, Cameroun choco0742@live.ca
Chpt 6 WG -6	General issues	2, 4, 9.1.6, 9.1.7, 10	Gababo WAKO (Kenya) Gababo@ca.go.ke



African Telecommunications Union
...promoting development of info-communication in Africa

WG-1 Agenda Item : 1.14

High-Altitude Platform Stations (HAPS)

APM19-3 & WG-3 agreed to take Method B1/B2 as the African Common Position which provides for the designation of certain fixed service bands for HAPS, in accordance with Resolution **160 (WRC-15)** with options:

Method B1 – Revision of the regulatory provisions for HAPS in the fixed service (FS) with a primary status in bands already designated for HAPS:

an amended footnote for a worldwide identification of 27.9 - 28.2GHz and 31-31.3GHz.

an updated Resolution 122 to facilitate the use for HAPS in 47.2 - 47.5 GHz and 47.9-48.2 GHz.

Method B2 – Add new designation(s) for HAPS in bands already allocated to the FS with a primary status:

a new footnote for a worldwide designation of this band 38 - 39.5 GHz.



African Telecommunications Union
...promoting development of info-communication in Africa

WG- 4 Agenda Item : 1.7

Telemetry, tracking and command in the space operation service for non-GSO satellites with short duration missions

APM19-3 & WG 19-3 agreed to take the Only Method, as the African Common position, proposed for BIU and milestone approach for deployment of Non-GSO systems: Issue A

APM19-3 & WG-3 agreed to take Method B2 as an African Common position the use of the coordination arc with a value of 8 degrees as coordination criteria, to determine if coordination is required between FSS and MSS systems and between MSS systems in the frequency bands 29.5-30 GHz (Earth-to-space)/19.7-20.2 GHz (space-to-Earth): Issue B

APM19-3 agreed to support, as a matter of an African Common position, the methods proposed for each matter under this issue considering that the matters are non-contentious and consensus has already been achieved at the ITU-R WP4A on all matters on how best to resolve them: Issue C



African Telecommunications Union
...promoting development of info-communication in Africa

WG- 4 Agenda Item : 1.7

Telemetry, tracking and command in the space operation service for non-GSO satellites with short duration missions

APM19-3 & WG 19-3 agreed to take Method D2 as the African Common position – to include the list of potentially affected networks in CR/C and in addition to give a room for potentially affected Administrations to include additional Satellite networks which might have been omitted in CR/C and publish them in CR/D: **Issue D**

APM19-3 & WG-3 agreed to take the Only Method, as the African Common position, which proposes the development of a new WRC Resolution to facilitate those Administrations who don't have a frequency assignment in the Appendix 30B and wish to provide an economically viable satellite service to its national territory as initially considered when the allotment Plan was established in 1988: Issue E

APM19-3 & WG-3 agreed to take Method F1 as the African Common position, which proposes to update the coordination, triggers to take into account technological advances and avoid some unnecessary coordination while assuring adequate protection of other satellite networks: Issue F



African Telecommunications Union
...promoting development of info-communication in Africa

WG- 4 Agenda Item : 1.7

Telemetry, tracking and command in the space operation service for non-GSO satellites with short duration missions

APM19-3 & WG-3 agreed to take Method G1 as the African Common position, which provides that when a network enters the List of Appendix 30 or 30A, the reference situation of the interfered with the network shall only be updated if-and-when the Bureau is informed that the agreement has been obtained. RR Provision 4.1.18 must be modified to reflect this view: **Issue G**

APM19-3 & WG-3 agreed to take the Only Method, as the African Common position, proposed in WP 4A which provides additional items to include in RR Appendix 4 for APIs for frequency assignments to NGSO satellite systems in bands not subject to coordination under Section II of RR Article 9 for facilitating modelling of NGSO: **Issue H**

APM19-3 & WG-3 agreed to take the Only Method, as the African Common position, in WP 4A which proposes two additional items in RR Appendix 4 for the provision of information relating to the multiple orbital planes and their relationship with respect to the NGSO satellite system: **Issue I**



African Telecommunications Union
...promoting development of info-communication in Africa

WG- 4 Agenda Item : 1.7

Telemetry, tracking and command in the space operation service for non-GSO satellites with short duration missions

APM19-3 & WG-3 agreed to take Method J2 as the African Common position, which proposes no change to the Radio Regulations since the pfd limit referred to in the first paragraph of Section 1 of Annex 1 to RR Appendix 30 is hard limit that shall not be exceeded in order to protect BSS assignments from interference that may be caused by BSS networks located outside an arc of $\pm 9^\circ$ around a wanted BSS network: **Issue J**

APM19-3 & WG-3 agreed to take the Only Method, as the African Common position, proposed which intends to make satellite coordination easier and to allow satellites networks opportunity of additional examination that have received unfavourable finding.: **Issue K**

APM19-3 & WG-3 agreed to take the Only Method, as the African Common position, proposing changes to RR Appendix 4 which reflects the amendments on Recommendation ITU-R S.1503:

Issue L

APM19-3 & WG-3 agreed to adopt the new WRC Resolution, as the African Common position, together with an associated regulatory regime for non-GSO satellite systems with short duration missions as proposed in the draft CPM text. **Issue M**



African Telecommunications Union
...promoting development of info-communication in Africa

WG-5 Agenda **Item : 1.8**

Global Maritime Distress Safety Systems (GMDSS)

APM 19-3 & WG 19-3 agreed to take Method A2 as an African Common position, which entails modifications to the provisions of RR to include regulatory provisions for the frequencies to be used for medium frequency (MF) and high frequency (HF) Navigational Data (NAVDAT) systems, in support of GMDSS modernization following related activity in the IMO: **Issue A** .

Note that ECOWAS, SADC and EACO **supports Method A2**.

APM 19-3 & WG 19-3 agreed to take Method B1 as an African Common position, which entails introduction of additional satellite operator in the GMDSS, as approved by International Maritime Organization (IMO), in order to achieve, redundancy and global coverage in maritime safety services: **Issue B**

Note that ECOWAS, SADC and EACO **supports Method B1**.



African Telecommunications Union
...promoting development of info-communication in Africa

WG-5 Agenda Item : 1.10

Global Aeronautical Distress and Safety System (GADSS)

APM19-3 & WG 19-3 agreed to take Method A as an African Common position which entails No Change to Article 5 of Radio Regulations as the African preliminary position but rather support regulatory provisions that facilitate the implementation of the Global Aeronautical Distress and Safety System (GADSS) in accordance with ICAO's requirements, while protecting incumbent services;

Note that EACO, SADC and ECCAS support **Method A**

ECOWAS support **Method C**



African Telecommunications Union
...promoting development of info-communication in Africa

WG- 5 Agenda Item : 9.1.4

Stations on board sub-orbital vehicles

APM19-3 & WG-3 agreed to support No Change, as the African Common position, to the Radio Regulations at WRC-19 and consider this matter as a possible agenda item for WRC-23.

Note that EACO , SADC, ECOWAS & ECCAS supports the conclusion of **No Change** to the RR is proposed for WRC-19 cycle. Further operational, technical and regulatory issues may need to be addressed which require continuing studies, in particular of the status of the stations aboard sub-orbital vehicles and type of applications through the appropriate mechanism



African Telecommunications Union
...promoting development of info-communication in Africa

WG- 6 Agenda Item : 10

WRC-23 Agenda

APM19-3 & WG-3 recommends that all ATU member states to:

1. Actively consider possible issues for discussion under this agenda item with a view to resolving any possible arising issues at an early stage: doing so would avoid the past experience whereby AI 10 issues are raised during the concluding stages of WRC thereby presenting significant challenges in the thorough considerations of the issues.
2. Let WG 6 spearhead considerations of possible issues under this agenda item and advise future APMs on possible causes of action.
3. Pay extra attention to the proposed agenda on review of the use of UHF band in view of the fact that majority of African countries plan to extensively use the 470 – 694MHz band for broadcasting. Also, in view of the fact DTT broadcasting remains a key service in the majority of the African countries, hence the preservation of this band for unconstrained use of the DTT services.
4. Study the Draft CPM19-2 text regarding this Agenda Item 10 and familiarize with its content and to continue to gather views to possible future agenda items for input contribution to CPM19-2.



African Telecommunications Union
...promoting development of info-communication in Africa

Additional APM Information

<http://atu-uat.org/events>

Thank you

Lisa Tele: ATU Rapporteur

lisat@atns.co.za