Twenty Second Meeting of the Africa-Indian Ocean Planning and Implementation Regional Group (APIRG/22)
(Accra, Ghana, 29 July to 3 August 2018)

Agenda Item 2: Performance Framework for Regional Air Navigation planning Implementation.

UPDATES ON MET MATTERS

(Presented by Secretariat)

SUMMARY
This working paper presents update on the area of aeronautical meteorology since the last meeting of the IIM sub group of APIRG,(IIM/SG2) held in Dakar Senegal, 9-11 July 2018. The major activities include the WMO African Conference on meteorology for aviation held in Dakar Senegal 28-30 -3-30 2018 and the forth meeting of the meteorology Panel of ICAO held on 10-14 September in Montreal Canada. **Action by the meeting is at paragraph 3**
REFERENCE(S): ▪ Report of the twelfth meeting of the 197th session of ANC ▪ Report of the fourth meeting of ICAO METP ▪ Report on the MET division meeting held in 2014 ▪ ICAO DOC 7475 ▪ ICAO DOC 9750 ▪ Report on the African Conference on meteorology for aviation (ACMA) ▪ Final report of the Seventeenth Session of WMO Regional Association I meeting.
Related ICAO Strategic Objective(s): **A** – *Safety,* **B** – *Air Navigation Capacity and Efficiency,*

1. INTRODUCTION

1.1. The Meteorology Panel (METP) was established at the twelfth meeting of the 197th Session of the air navigation Commission (ANC 197-5) held on 30th September 2014 following the reorganization of the secretariat and panel structure of ICAO the same year.

1.2. The primary responsibility of the METP is to define and elaborate concepts and to develop ICAO provisions for aeronautical meteorological services consistent with operational improvements envisioned by the Global Air Navigation Plan (GANP) and keeping with the working arrangements between ICAO and WMO (Doc 7475).

1.3. The African Conference on meteorology for aviation was organized in collaboration with l'Agence nationale de l'aviation civile et de la meteorologie (ANACIM) of Senegal and in close coordination with l'Agence pour la Securite de la Navigation Aerienne en Afrique et a Madagascar (ASECNA), the International Civil Aviation.

1.4. Organization (ICAO) and other relevant stakeholders. The Conference was conducted in Dakar Senegal from 28-30th November 2018.

1.5. This was in response to the evolving air traffic management system and information-centric requirements, based on the outcomes of the Conjoint ICAO/WMO Meteorology Divisional Meeting held in 2014.

1.6. The Conference provided a forum to discuss and share national and sub-regional experiences on aeronautical meteorology matters which are among the priorities of RA I and to build a common understanding of the challenges and opportunities as well as the priorities and risks emanating from global and regional developments, including those associated with the ICAO Global Air Navigation Plan (GANP) and its Aviation System Block Upgrades (ASBU) methodology. In addition, the Conference considered emerging issues such as the impacts of climate change on aviation, as part of the climate-related challenges for RA I Members. A broad participation of the aviation stakeholders and users of aeronautical meteorological information is envisaged in order to outline the "African aviation landscape" and understand better the current and emerging user needs.

1.7. The outcomes of the Conference were reported to the RA I-17 session held in Cairo, Egypt from 21 to 23 February 2019.

2. DISCUSSION

2.1. The fourth meeting of the METP was held in Montréal, 10 to 14 September 2018. The meeting deliberated on the following issues:

- Meteorology requirements to support trajectory based operations (TBO)
- ASBU-MET
- PANS-MET development
- International Airways Volcano Watch
- Release of radioactive material in the atmosphere
- Space weather advisory information service
- World Area Forecast system
- Sulphur dioxide from volcanic eruptions in the atmosphere

2.2. The meeting formulated 37 recommendations, 14 of which are proposals for amendment of standards, recommended practices and procedures (RSPP). The report of the meeting is attached as **APPENDIX A** to this working paper.

2.3. The ACMA meeting formulated 5 comprehensive recommendations and a statement. The statement is as follows, that;

- As aviation in Africa continues to grow year-on-year, the time for the Members of WMO RA I and the aeronautical meteorological community in general to respond to the evolving needs of aviation is now. Doing nothing is not an option.

- Responding the evolving needs of aviation will demand sustained investment in aeronautical meteorological services. Development partners will be key to success.
- WMO, the International Civil Aviation Organization (ICAO) and other international partners are instrumental in assisting the response, by Members/States, to change and to drive progress.

The report of the meeting is attached as **APPENDIX B** to this working paper

2.4. The recommendations as well as the statement were endorsed by the RA I-17 session held in Cairo, Egypt from 21 to 23 February 2019.

3 ACTION BY THE METING

3.1 The meeting is invited to.

a) Note the information provided in this working paper
b) Urge States to keep abreast of developments taking place on the way and how MET Services are to be delivered in the near future.