



INTERNATIONAL CIVIL AVIATION ORGANISATION

**AFI PLANNING AND IMPLEMENTATION REGIONAL GROUP (APIRG)
METEOROLOGY SUB-GROUP TENTH MEETING (MET/SG/11)**

(Nairobi, Kenya, 08 – 10 July 2013)

Agenda Item 8: Terms of reference, work programme and composition of the MET/SG

**UPDATE OF THE WORK PROGRAMME AND COMPOSITION OF THE
METEOROLOGY SUB-GROUP (MET/SG)**

(Presented by the Secretariat)

SUMMARY

The MET/SG will review and update its work programme based upon updated executive summaries for each task attached to this working paper.

1. Introduction

1.1 Under this agenda item, the Sub-group should undertake the review of its work programme.

1.2 The Terms of Reference of the MET/SG as developed and approved by the APIRG are given at **Attachment A**.

2. Discussions

2.1 Terms of Reference

2.1.1 The MET/SG will note the composition of the group and its terms of reference shown in Attachment A to this paper. The group will recall that the terms of reference reflect the overall tasks of the group and need to be revised only when major changes are introduced to the MET/SG programme. Furthermore, any change would have to be subject to a draft conclusion to be endorsed by APIRG. It may be agreed that there is no need to amend the terms of reference at this meeting.

2.2 Revision of the Work Programme

2.2.1 The MET/SG may wish to review its work programme which is shown in **Appendix B** to this working paper. When reviewing the work programme, the sub-group is expected to update the following elements:

- a) future work programme for 2013 to 2017; and
- b) executive summaries for each recurrent task.

2.2.2 It will be noted that the work programme has been subject to revision and consolidation in order to align it with the ICAO Business Plan and to better reflect the work that is being undertaken by the MET/SG.

2.3 The Sub-group is invited to review the draft work programme, endorse the changes proposed and formulate the following decision:

Decision 10/... — Future work programme of the MET/SG

That, the work programme of the MET/SG be updated as shown in Appendix A

3. Action by the MET/SG

3.1 The MET/SG is invited to:

- a) Note the information in this paper,
- b) Review the draft work programme and,
- c) decide on the above decisions proposed for the Sub-group's consideration.

**Terms of Reference, Work programme and composition
of the Meteorology Sub-Group (MET/SG)**

1. Terms of Reference

- a. To keep under review, the adequacy of meteorological facilities and services to meet new technological developments in the air navigation field and make proposals as appropriate for implementation by States to APIRG.
- b. To identify, State by State, those specific deficiencies and shortcomings that constitute major obstacle to the provision of efficient and reliable meteorological facilities and services to meet the requirements of air navigation in the AFI Region and recommend specific measures to eliminate them.

Appendix A Future Work Programme

	Task	Source	Recent Progress Next milestone and its deadline	Final Result (completion)
1	Establish and maintain detailed lists, State by State of the specific deficiencies of facilities for the provision of atmospheric measurements pertaining to surface wind, pressure, visibility/runway visual range, cloud base, temperature and dew point temperature considered critical for flight safety.	APIRG/13 Con. 13/96	<ul style="list-style-type: none"> State by state MET deficiencies have been established and included in APIRG/18 Report 	Deficiencies on MET parameters measurements established and compiled
2	Monitor the exchange of OPMET information through the AMBEX scheme in the AFI Region and between the AFI and ASIA/PACIFIC and EUR Regions	APIRG/8 Con. 8/43 c)	<ul style="list-style-type: none"> Continuing task Next monitoring in 2014 	Exchange of OPMET information through AMBEX and SADIS, improved
3	Plan for the introduction of efficient inter-regional OPMET exchanges in coordination with the CNS Sub-group as required	AFI/7	A Core Team of experts established to fully review the AMBEX and report to MTF/6	Efficient inter-regional OPMET exchanges
4	Monitor the degree of implementation of very small aperture terminals (VSATs) for the reception of WAFS products	AFI/7 Rec. 14/12	<ul style="list-style-type: none"> A large number of AFI States have implemented SADIS2G VSATs with others using the SADIS FTP Service 	Information on the implementation of SADIS VSAT and FTP established and compiled
5	Develop guidelines for the use of GRIB and BUFR codes in the AFI Region.		<ul style="list-style-type: none"> 	<i>This task has been removed from the list as operational needs are no more expressed in the region</i>
6	Monitor the implementation of regional procedures for the issuance of volcanic ash and tropical cyclone advisories	AFI/7 Rec. 7/3 and 7/4	<ul style="list-style-type: none"> Yearly SIGMET Tests conducted with AFI VAAC and TCAC using regional AFI SIGMET Test procedures established in AFI SIGMET Guide Continuing task SIGMET Tests conducted yearly: Next test scheduled for Nov. 2013 	Regional procedures for the issuance of volcanic ash and tropical cyclone advisories Implemented

	Task	Source	Recent Progress Next milestone and its deadline	Final Result (completion)
7	Review on a continuing basis the contents of Tables MET 1A and 1B and Tables MET 2A to ensure their validity in light of operational requirements and develop proposals to update them if necessary.	AFI/7	<ul style="list-style-type: none"> Continuing task Tables MET 1A and 2A will be amended from SADISOPSG/18 proposals 	The validity of contents of Tables MET 1A, 1B and and Table MET 2A. are to ensured
8	Review the meteorological procedures in the introductory text to Part VI of Meteorology of the Basic AFI Regional Plan/FASID, as well as Meteorological related issues in other sections of the Plan and relevant regional supplementary Meteorology procedures (SUPPs) in the Doc 7030, in the light of procedures employed in other regions and develop amendment proposals as appropriate, coordinating where necessary with other APIRG Sub-Groups.	APIRG/12	<ul style="list-style-type: none"> The MET section of the AFI Regional Air Navigation Plan (R-ANP) will be amended in accordance with the new e-ANP template under review by ICAO. 	Maintain up to date procedures to improve safety and efficiency of air navigation.
9	Monitor developments in the CNS/ATM Systems with regard to meteorological requirements in the AFI Region and in coordination with AFI ATM Sub-Group.	APIRG/14 Con. 14/43	<ul style="list-style-type: none"> APIRG/18 established the Task Force (TF). The ATM/MET TF amended the AFI contingency plan on volcanic ash during its first meeting in Nairobi. 	Consistent provision of meteorological information as an integrated function of the ATM system with improved accuracy and timeliness and increased availability. Performance management will be an important part of the quality assurance of meteorological information. Exchange of OPMET data in digital format on bilateral arrangements
10	Develop guidelines for the use of GRIB and BUFR codes in the AFI Region.	APIRG/15 Con. 15/81	AFI States and SADIS Users are currently using GRIB and BUFR codes to visualize WAFS products	<i>Operational needs are no more expressed in the region. This task has been removed from the list due to the introduction of XML for OPMET and exclusive supply of TEMSI by WAFS.</i>
11		APIRG/1	<ul style="list-style-type: none"> Ten training seminars on QMS in 	AFI region quality

	Monitor the implementation in the AFI region of quality assurance/performance relating to the MET field	4 Con. 14/40	2008-2012 • 13 out of 54 States established QMS in December 2012 et 5/13 certified	assurance/performance relating to the MET field, implemented
12	Monitor training and qualification of aeronautical MET personnel	APIRG/1 5 Dec. 15/94	• Training and qualification monitored in 15 States during 2009-2010	Information on training and qualification of aeronautical MET personnel established and compiled

3. Composition

Algeria, Burkina Faso, Cameroon, Congo, Côte D'Ivoire, Egypt, Eritrea, Ethiopia, France, Gabon, The Gambia, Ghana, Guinea, Kenya, Madagascar, Malawi, Morocco, Niger, Nigeria, Senegal, South Africa, Spain, Tunisia, United Kingdom, United Republic of Tanzania, Zambia, ASECNA, IATA and WMO.