



**INTERNATIONAL CIVIL AVIATION ORGANISATION**  
**AFI PLANNING AND IMPLEMENTATION REGIONAL GROUP (APIRG)**  
**AFI OPMET MANAGEMENT TASK FORCE FIFTH MEETING (AFI OPMET MTF/5)**  
*(Nairobi, Kenya, 8-10 July 2013)*

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**Agenda Item 4: Review of regional guidance material on OPMET exchange**

**PRETORIA RODB IMPLEMENTATION STATUS REPORT**  
*(Presented by the South Africa)*

**SUMMARY**

The paper presents the annual status report regarding the implementation of conclusions and decisions of METSG and APIRG by Pretoria RODB.

**1. INTRODUCTION**

1.1 The meeting will recall that the AFI OPMET MTF/2 Decision 2/6 called for Dakar and Pretoria RODB to present annual reports on the status of implementation of METSG and APIRG conclusions and decisions at the AFI Operational Meteorological (OPMET) PMET MTF meetings.

**2. DISCUSSION**

**2.1 Status of AFI OPMET MTF, METSG and APIRG implementation**

2.1.1 Pretoria Regional OPMET Data Bank (RODB) compiled the implementation status report focusing on those conclusions and decision formulated during AFI MTF/4, METSG/10 and APIRG/18. In Appendix A to this paper, the list of decisions and conclusions that impacted on Pretoria RODB as well as the implementation status of each is presented. In total, there were seven (7) decisions and conclusions.

2.1.2 The meeting is invited to note that Pretoria RODB has in large implemented the Decisions and Conclusions as required. Almost all of the decisions and conclusions have been implemented except for the few (2) which were partially implemented. The reasons for none or partial implementation are indicated in the status column of Attachment A to this paper.

**2.2 AFI OPMET Data monitoring**

2.2.1 The meeting may wish to note that APIRG Conclusion 18/14 called for the AFI RODBs to implement automatic OPMET data monitoring scheme on a quarterly bases (March 31, June 30, August 31 and December 31). The results of the OPMET data monitoring are presented in Attachment B to this paper and covers the period from September 2012 to June 2013. The meeting may recall that the monitoring results should be presented based on the three indices described in Appendix F of the AFI AMBEX Handbook, paragraph 2 and these are: **Compliance Index, Availability Index and regularity Index.**

2.2.2 Figure 1, Appendix B shows the level of compliance to the AFI AMBEX scheme. It can be seen that there was lack of compliance to the AFI AMBEX scheme by most aerodromes under the responsibility of

Addis Ababa (HAAB). This applies to both METARs and TAFs. The lack of compliance is also confirmed by the low percentages in the availability index, see figure 2. It can also be noted that despite the lower percentages, the reporting was consistently as shown in figure 3.

2.2.3 Further, the results shows some gaps with regard to compliance and availability indexes for bulletin compiling centres (BCCs) Pretoria (FAPR) and Nairobi (HKJK). The results compliance and regularity percentages of between 60 and 80 for aerodromes under the responsibility these of FAPR and HKJK BCCs. Although this is better compared to that of Addis Ababa, it is still a course for concern because it means that users may not always obtain the information they require from these aerodromes for their operations.

2.2.4 The same cannot be said with regard to aerodromes under the responsibility of BCCs Cairo (HECA) and Antananarivo (FMMI). Figure 1 and 2 in appendix B shows the level of compliance and availability of between 90 and 100 for both METARs and TAFs. The regularity index is also very high meaning that users are almost certain to obtain the OPMET information (TAFs and METARs) from aerodromes under the responsibility of these centres.

2.2.5 It is worth noting that Figure 1 and 2 in appendix B shows the level of compliance and availability of between 90 and 100 for both METARs and TAFs for the aerodromes under Cairo(HECA) and Antananarivo (FMMI Bulletin Collecting Centres. The regularity index is also very high meaning that users are almost certain to obtain the OPMET information (TAFs and METARs) from aerodromes under the responsibility of these centres.

2.2.6 The meeting is invited to note significant progress made by Pretoria RODB in the implementation of conclusions and decisions emanating from AFI OPMET MTF, METSG and APIRG.

2.2.7 The results of OPMET monitoring shows that although there are areas of encouragement, the meeting may wish to note that there are still significant challenges regarding the availability and exchange of OPMET information (METARs and TAFs) in the AFI Region.

### **Draft Recommendation 5/xx**

That, the reason(s) behind none availability of OPMET information (METARs and TAFs) from some aerodromes in the AFI Region be investigated in order to increase the availability of OPMET information in the AFI Region.

## **3. ACTION BY THE MEETING**

3.1 The meeting is invited to note the information presented in this paper and decide on the draft recommendation in paragraph 3.

## ATTACHMENT A

## Implementation status for MTF, METSG and APIRG decisions and conclusions by Pretoria RODB.

| Decision/Conclusion   | Progress/status   |
|---|---|
| <p><b>AFI MTF Decision 4/01/ Participation of AFI RODBs to Regular EUR SIGMET Tests</b></p> <p>That, ROC Toulouse notifies AFI RODBs on time for their participation to the Regular EUR SIGMET Tests</p>  | <p>Partially completed</p> <p>The tests took place on the 6 &amp; 7 February 2013. RODB Pretoria participated in both the tests. However the results are still pending.</p> |
| <p><b>AFI MTF Decision 4/05: Improving the Annual RODBs Implementation Status Report</b></p> <p>That, Dakar and Pretoria RODBs issue their respective annual implementation status reports based on the MTF, MET/SG and APIRG decisions and Conclusions related to the AFI RODBs.</p> | <p>Completed.</p> <p>This annual report takes into account Decision 4/05.</p>   |
| <p><b>AFI MTF Decision 4/12: Finalizing AFI OPMET Data Catalogue</b></p> <p>That, Dakar and Pretoria RODBs finalize the AFI OPMET Data Catalogue using Appendix 1 to the SADIS User Guide (METAR/SPECI, TAF) and AFI FASID MET Table 1B (SIGMET).</p>                                 | <p>Completed</p> <p>The catalogues have been developed and aligned with the latest version of Annex 1 of the SADIS User Guide.</p>  |
| <p><b>AFI MTF Decision 4/13: Developing of AFI RODBs Back Up Procedures</b></p>   | <p>Completed</p>  |

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| <p>That, the Task Force:</p> <p>a) Appreciates the work so far undertaken by the Core Team of Experts in developing the AFI RODBs Back up Procedures; and Encourage the Core Team to further investigate ways to improve the backup procedures so far developed using contributions from existing backup procedures especially from SADIS and ISCS.</p>   | <p>Backup procedures have been developed for consideration by the AFI OPMET MTF/5 meeting, Nairobi, Kenya 3-5 July 2013.</p>   |
| <p><b>APIRG CONCLUSION 18/41: IMPLEMENTATION OF AMBEX HANDBOOK PROCEDURES</b></p> <p><b>That Dakar and Pretoria RODB Provider States:</b></p> <p>a) implement an automatic OPMET data monitoring scheme using procedures in Chapter 12 and Appendix F of the AMBEX Handbook on quarterly basis (March 31, June 30, August, 31 and December 31 of each year);</p> <p>b) perform regular 24 hour simultaneous monitoring starting at 0000 UTC on the first Wednesday of every month; and</p> <p>c) distribute the monitoring statistics to the Chairman of the OPMET Management and the Secretariat with effect from July 2012.</p> | <p>Completed</p> <p>The monitoring is being done and included in the annual report which reflects the level of compliance, regularity and availability of OPMET information in the AFI Region.</p> |
| <p><b>APIRG CONCLUSION 18/43: IMPLEMENTATION OF AN AFTN CIRCUIT BETWEEN DAKAR AND PRETORIA RODBS TO SUPPORT BACK-UP CONTINGENCY CAPABILITIES</b></p> <p>That Dakar and Pretoria RODBs Provider States,</p> <p>a) investigate the best possible way to implement a backup circuit between the two RODBs for the implementation of the backup procedures between the RODBs, in time for the MTF/4</p>   | <p>Completed</p> <p>The back up procedures has been developed for consideration by the AFI OPMET MTF/5 meeting.</p>  |

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| <p>meeting September 2012 and<br/>                 b) Implement reliable telecommunications facilities to support back-up procedures for the AFI RODBs.</p>   |   |
| <p><b>APIRG CONCLUSION 18/45: SIGMET MONITORING AND OPMET ROUTING TABLES</b></p> <p>That:</p> <p>a) the two AFI RODB Provider States be invited to monitor the reception of SIGMET information during the regular (twice yearly) EUR Region SIGMET tests and report;</p> <p>b) the two AFI IROGs and ROC Toulouse exchange their routing tables and verify the coherency of these tables; and Report of the Eighteenth Meeting of the AFI Planning and Implementation Regional Group APIRG/18 Report 38 2012</p> <p>c) the AFI IROGs be invited to review their current routing tables,</p> | <p>Completed partially</p> <p>The monitoring has been done. However, the report is still pending. The exchange of the routine table has not taken place as the tables are still being updated. The core team has been appointed to review the AFI AMBEX Handbook and will present the results during AFI OPMET MTF/5. This will include the updated routine tables.</p> |

**ATTACHMENT B**

Annual OPMET Monitoring Results (September 2012 to June 2013)

**Compliance Index:** The Compliance Index is to assess the level of compliance to the AMBEX scheme. The monitoring results for this index are presented in figure 1 below.

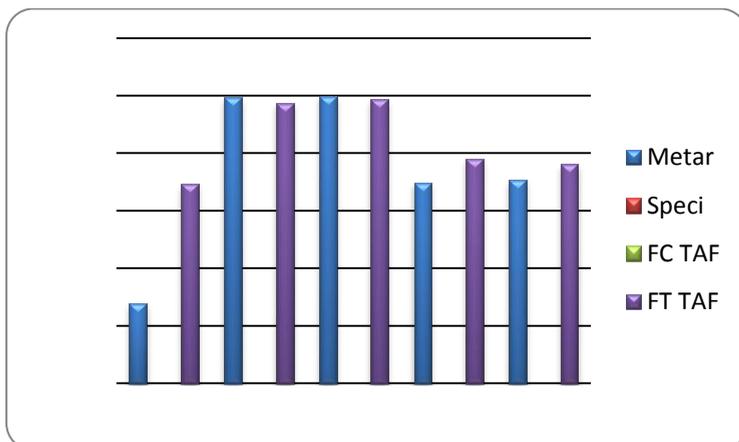


Figure 1: Compliance Index Sep 2012 – June 2-13

**Availability Index:** The availability index measures the current coverage of the OPMET distribution against the AMBEX exchange requirements. The monitoring results for this index are presented in figure 2 below.

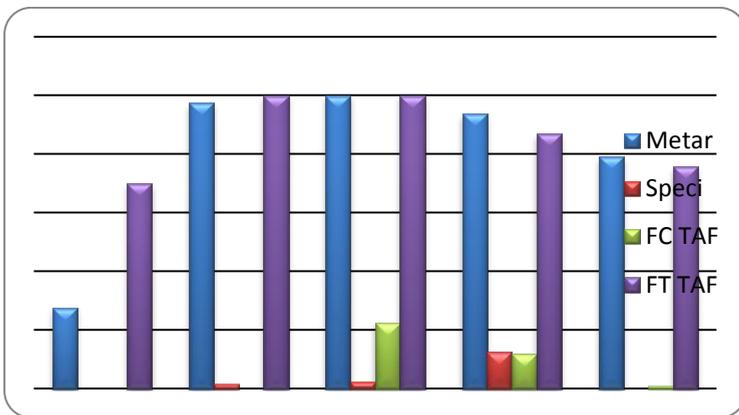


Figure 2: Availability Index Sep 2012 – June 2013

**Regularity Index:** The regularity index measures the consistency in the number of reports provided by an aerodrome. The results of the monitoring for this index are presented in figure 3 below.

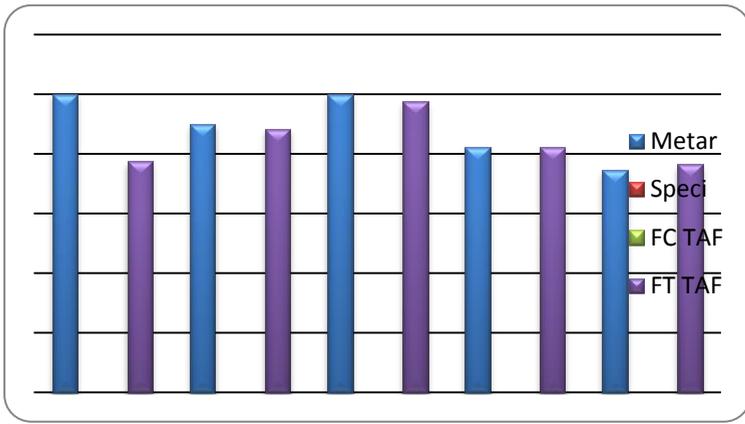


Figure 3: Regularity Index Sep 2012 – June 2013