INTERNATIONAL CIVIL AVIATION ORGANISATION

AFI PLANNING AND IMPLEMENTATION REGIONAL GROUP (APIRG)
AFI OPMET MANAGEMENT TASK FORCE (AFI OPMET MTF)
THIRD MEETING (AFI OPMET MTF/3)
(Dakar, Senegal, 27 – 28 June 2011)

Agenda Item 3 b): report of the Core Team of Expert on the development of a back up procedure for the AFI RODBs

DEVELOPMENT OF A BACK UP PROCEDURE FOR THE AFI RODBS

(Presented by the Core Team of Experts)

Summary

The paper presents activities of the Core Team of Experts (Kenya, Madagascar, Senegal and South Africa) on the development of a back up procedures for the AFI RODBs.

REFERENCES

AFI AMBEX Handbook
Seventh Edition, March 2010
AFI MTF/2 Report

ACTION

Action is on paragraph 4

1. INTRODUCTION

1.1 The AFI OPMET MTF/2 meeting held in Johannesburg, South Africa, 6-7 September 2010 formulated recommendation 2/9 which called for the development of the backup procedures for the two AFI RODBs, Pretoria and Dakar. In formulating this recommendation, the meeting expressed concern that should one of the databank goes down the users would not be able to retrieve OPMET data for their operations. This prompted the meeting to consider the need for backup procedures to be developed.

2. DISCUSSION

(3 pages)

2.1 The meeting is invited to note that the development of backup procedures for Dakar and Pretoria RODB will require the synchronization of the databanks. Before this can be done the following needs to be investigated or put in place:

a) Development of a common catalogue, based on FASID Tables MET 2A, for RODB Dakar and Pretoria

b) The catalogues needs to be based on the AFI OPMET Interface Control Document (ICD)

c) Once a common catalogue is developed and implemented, the analysis of how much volume of data will be required to be exchanged

d) The knowledge of how much data will be exchanged between the two RODBs will inform a decision on infrastructure requirements i.e. data line capacity

e) The RODBs are currently connected via a 19200kps ASCENIA VSAT-link. The capacity of this line will have to be investigated if it will be sufficient to handle extra data traffic

f) Regional Meteorological Data Communication Network (RMDCN) may be used as an alternative should the current ASCENIA VSAT-link not have sufficient capacity

g) An investigation into the current capacity at RODBs to handle extra data volumes needs to be investigated

2.1 The meeting is invited to note that it is important for the technical aspect of this task to be thoroughly investigated and fully understood before the backup procedures can be drawn. This will require proper coordination amongst the members of the core team of experts.

3. RECOMMENDATIONS AND CONCLUSIONS

3.1 As noted above, there's still a lot of work to be done with regard to the development of backup procedures. The meeting is therefore invited to propose a new date for the conclusion of this massive task as well as to elect the coordinator to facilitate the activities of the core team of experts:

Decision 3/XX – Election of the coordinator and setting up of the due date

That the meeting decide on a due date for the finalization of backup procedures, taking into consideration the complexity of this task. Further to this, the coordinator be elected to facilitate this process and report to the secretariat on ongoing bases.

4. **ACTION BY THE MEETI**NG

4.1 The meeting is invited to:

a) note the information presented in this paper; and

b) decide on the recommendation proposed.
