



INTERNATIONAL CIVIL AVIATION ORGANIZATION  
WESTERN AND CENTRAL AFRICA OFFICE

Twenty-third Meeting of the AFI Satellite Network Management Committee (SNMC/23)  
(Accra, Ghana, 15-19 February 2016)

-----  
Agenda item 1: Follow up of the conclusions and decisions of SNMC/23  
*Development of a calibration center for AFISNET Test Equipment*

(Presented by ASECNA)

**SUMMARY**

The purpose of this paper is to report to the meeting on the status of the study related to the implementation of the regional calibration center in WACAF / ICAO, called by SNMC/18, held in Ouagadougou, Burkina Faso, 01-04 June 2010

**Reference:**

SNMC 18 Decision 18/02  
SNMC 19 Decision 19/04  
SNMC 20 Decision 20/05  
SNMC 21 Decision 21/06  
SNMC 22 Conclusion 22/04

**I. BACKGROUND**

The need of a common calibration center for AFISNET test equipment, in the WACAF region for the benefit of members States/Organizations was raised by Decision 18/02 of SNMC/18.

Decision 19/04 SNMC tasked ASECNA as Team Leader of the technical Team feasibility studies of this important regional project including conducting a cost-benefit analysis to be validated by the States/Organizations.

The first results of the study presented during the SNMC/20, in Abuja, 8-12 October, 2012 indicated that the establishment in the WACAF region of a calibration center, based specifically on AFISNET Test Equipment (electromagnetic quantities devices), would certainly allow fairly significant time gains but was not economically viable.

Thus, it was asked to ASECNA to expand the scope of the calibration to the test equipment similar to those used for AFISNET.

So, the 21<sup>st</sup> SNMC meeting formulated the following decision:

*That:*

- *SNMC member States/Organizations explore possible additional candidates for the calibration of test equipment similar to those used for AFISNET and forward no later than end of January 2014 their exhaustive expanded list of test equipment;*
- *Based on the additional data received, ASECNA pursue its effort in the development of the study for the implementation of the regional calibration center and to circulate by end of March 2014 a draft document on its feasibility for consideration by the joint Technical Team for AFISNET Evaluation and reengineering and possible inclusion in the external audit exercise;*
- *ICAO continue its assistance to the planning and implementation process.*

ASECNA tasked to implement the calibration center reported to SNMC 22 the progress made through the action of data collection training of technical personnel and studies conducted since SNMC 21.

The report outlined the needs and the requirements the financial evaluation and underscored the viability and sustainability of the project (*SNMC 22 WP 14 refers*). ASECNA proposed to examine the possibility of pre funding the Test equipment centre composed of a building, adequate equipped laboratory and trained personnel.

The meeting applauded the outcome of the study and requested NAMA who agreed to complete the list of Test equipment and encouraged ASECNA to finalize the study which will be presented to AFISNET decision makers and adopted conclusion 22/04 that reads as follows:

*Conclusion 22/04: Development of a calibration center for AFISNET Test Equipment*

*That;*

*In order to fulfill the requirements of Safety Management System (SMS):*

- a) *NAMA complete the collection of potential test equipment candidate to be calibrated and forward not later than 31 March 2015 to ASECNA for consideration;*



- b) *ASECNA finalize the study on the calibration center by 30 June 2015*
- c) *AFISNET members endeavor to give high priority to the development of the regional calibration center*

In accordance with the conclusion above ASECNA pursued actions and initiatives for the development of the center in collaboration with SNMC members. However the potential test equipment candidate to be calibrated which were to be collected and forwarded by NAMA is still awaited.

The status of implementation of these initiatives and actions are summarized in Appendix to this Working Paper.

### 3. Action by the meeting

The meeting is invited to:

- Take note of the information provided in this working paper ;
- Request the SNMC partners that have not done so to provide the measuring devices information ;
- Encourage ASECNA and the other SNMC members to pursue and implement the calibration center for the benefit of WACAF region.



SNMC/23-WP/11

## Appendix

### STATUS OF IMPLEMENTATION OF THE REGIONAL CALIBRATION CENTER

Action	Statuts of implementation	Period	Comments
<b>Submission of the study on the calibration center to ASECNA DG</b>	Done	Mars 2015	DG requested analysis to Direction of Security/Quality control (DCS)
<b>Feedback from DCS</b>	Done	May 2015	Agreement by the DG for the establishment of the center
<b>Architectural data collection to build the calibration center</b>	Done	September 2015	Assistance by the Laboratoire Nationale d'Etalonnage (LNE) of France
<b>Finalization of the Decision for the establishment of the calibration center</b>	Ongoing	October 2015 to March 2016	A working Group established in this regard
<b>Provision of a microwave Test bed</b>	Ongoing	July 2016	Call for Tenders in progress
<b>Training of personnel on Network Analysers</b>	Done	December 2015	4 members staff trained
<b>Development of the building roadmap</b>	Ongoing	March 2016	A working Group established in this regard
<b>Expected end of the project</b>	ongoing	Septembre 2016	



**SNMC/23-WP/11**