



**INTERNATIONAL CIVIL AVIATION ORGANIZATION
WESTERN AND CENTRAL AFRICA OFFICE**

**Twenty-fifth Meeting of the AFI Satellite Network Management Committee (SNMC/25)
(Freetown, Sierra Leone, 18-22 December 2017)**

Agenda Item 1: Calibration Center

(Presented by ASECNA)

SUMMARY

This paper aims to draw the attention of the meeting on the challenges of the Calibration Center

Reference:

Action by the meeting in paragraph 3

1. Introduction

The feasibility study of the implementation of a calibration center in the WACAF area, focused on a park of 6400 measuring instruments (5000 and 1400 weather equipment measuring devices for electromagnetic quantities). It appears from this study, a return on investment after 8 years for an average payback period of 10 years.

The results of this study were presented at the XXII SNMC, were presented to the Manager General of ASECNA. After the presentation of these results, the Manager General of ASECNA like his partners of SNMC, agreed to create the calibration center and requested that the capital costs of the building are assessed again.

The location of a new building to host this calibration center were identified and the provision for the cost were plan in the ASECNA budget for Investment project for 2018 to 2022.

The training for ASECNA Staff were done by the National Laboratory of Calibration (LNE) in France.

2. Discussion

The action plan provided in appendix is developed for a smooth implementation of the calibration center, in order to ensure that the calibration center will be fully operational immediately after its establishment.

3. Action by the meeting

The meeting is invited to take note of the information provided above.



Appendix

STRATEGIC PLAN FOR THE IMPLEMENTATION OF THE CENTRE OF CALIBRATION

SHORT TERM

Tasks or actions	Who	Progress	Observations
Identify a new location for the building and provision for the cost of this building	ASECNA	Done	The cost for this project has been planned in ASECNA budget for Investment project for 2018 to 2022
Continued calibration by comparison with the current resources and extension to some equipment where possible	ASECNA	In progress	Calibration of some measuring devices (powermetre, signal generator, spectrum analyser of, etc.) and barometers.
Soliciting the consent of ASECNA Manager General	ASECNA	Done	Attribution and the organisation of the center
Draft of the decision for creation of the center	ASECNA	Done	
Training of stakeholders in metrology for microwave sizes	ASECNA	Done partially	5 people have been trained on the basics of calibration.
Acquisition of Microwave benches.	ASECNA	In progress	Provides notice of appeal launch. Procedure of acquisition ongoing
Elaboration of technical documents	ASECNA	In progress	50% is done



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MEDIUM TERM

Tâche	Acteur	Periode	Observations
Continued training of actors in different fields of metrology.	ASECNA	31/07/2018	In parallel with the construction of the building
To prepare the certification and the accreditation of the center	ASECNA	31/12/2018	
To formalize a partnership between LNE and ASECNA, for an accompaniment of the center of calibration;	ASECNA	31/12/2018	