



SNMC JOINT TECHNICAL TEAM COORDINATION MEETING

AFISNET RE-ENGINEERING AND MODERNISATION

TECHNICAL SPECIFICATIONS

HELD IN COTONOU, BENIN

31 October-02 November, 2018

REPORT

1. INTRODUCTION

1.1. Attendance

In accordance with the outcome of SNMC Board meeting held in ASECNA Headquarters, Dakar, on 6th April 2018, relating to the implementation of AFISNET Re-engineering and Modernization Project, ASECNA hosted, from 31 October to 02 November 2018, at the premises of the Benin National Aeronautical Activities, in Cotonou, Benin, a coordination Meeting of the SNMC Joint Technical team (JTE) for AFISNET re-engineering and Modernization.

The meeting recorded the attendance of delegates from ASECNA, GCAA, NAMA, Representatives from the Benin Civil Aviation Authority (ANAC/BENIN) and ICAO.

The list of participants is attached as per appendix 1.

1.2. Opening ceremony

Mr. Wilfrid ADJOVI, Representative of ASECNA in Benin, opened the meeting.

In his address, Mr. ADJOVI welcomed the participants and expressed the honor of Benin to have been chosen to host this meeting. He informed the meeting of the availability of ASECNA Representative in Benin to facilitate the meeting and wished the meeting fruitful deliberations.

On behalf of ASECNA Ms. NDIAYE Mbayang GUEYE, Technical Advisor of ASECNA Director General summarized to the attention of the participants the reasons for convening this meeting and expressed the commitment of ASECNA to contribute to the successful conduct of the AFISNET re-engineering and Modernization.

ICAO representative, recalled on behalf of the WACAF Regional Director, the importance of the event and confirmed the availability of the Office to continue its assistance to the SNMC in the re-engineering exercise.

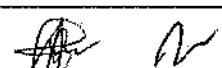
1.3 Officers and Secretariat

The meeting appointed Ms. NDIAYE Mbayang GUEYE, Technical Advisor of ASECNA Director General as Chairperson of the meeting.

Ms Mary Naa Kwakua TAGOE (GCAA) and Messrs. OTITOLAYE Johnson (NAMA), SOUGUE Bissa (ASECNA HQs), Koda LOYA (ASECNA/ Representative in Benin), were appointed as Secretariat of the meeting. They were assisted by Mr. François-Xavier SALAMBANGA Regional Officer CNS, ICAO WACAF Office.

1.4 Working language

The meeting was conducted in the English and French languages



2. REPORT ON AGENDA ITEMS

2.1 Agenda Item 1: Objectives of the Meeting

The main objectives of the meeting were to implement the conclusion and decisions of the SNMC previous meeting related to the preparation of the effective and successful conduct of the AFISNET re-engineering and modernization and mainly consist on the following:

- Review of the Draft document on the technical specifications for the AFISNET Re-engineering and Modernization Project;
- Identify the processes and procedures to be applied in order to expedite the implementation of the project
- Update the project implementation action plan

2.2 Agenda Item 2: Review of the outcome of the SNMC Board Meetings

2.2.1 The meeting reviewed the outcomes of the SNMC Board Coordinating meetings held in Dakar, 05-06 April, 2018 and in Montreal, on 12 October 2018, on the sidelines of ICAO's 13th Air Navigation Conference and applauded the signature of the MoU related to the Share Use of Air Navigation Services and/or Systems and Assistance as well as the project funding mechanism agreed by the SNMC Board.

2.2.2 These two major commitments of the SNMC Board will, without any doubt, have a huge positive impact on the improvement of air navigation service provision in the very near future with the implementation of ANS systems interconnection and interoperability, surveillance data sharing, AIDC operation and any emerging CNS/ ATM services, through a robust integrated sub-regional aeronautical network.

2.3 Agenda Item 3: Presentation of Call for Tenders from SNMC Administrations/Organizations

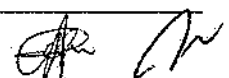
2.3.1 The meeting shared information on how SNMC Administrations/Organizations carry out the Call for Tenders processes and procedures in order to take advantage of the best practices.

2.3.2 It was agreed that in case of pre-financing by an Administration, the procedures of that Administration may apply for the Call for Tenders.

2.3.3 The Call for Tenders will be advertised by every SNMC member in order to have a maximum number of tenders and the best technical and cost effective solution.

2.4 Agenda Item 4: Review of the Technical Specifications for AFISNET re-engineering and modernization

2.4.1 The meeting discussed and updated the technical specifications document in line with the technical, operational and economical requirements. The main features of the new AFISNET-II include but not limited to the following:



- Full IP, meshed, seamless common VSAT network structure;
- high availability, reliability, integrity, accuracy, service flexibility through powerful routing capabilities;
- Regional and inter-regional interoperability with regards to the neighboring aeronautical networks;
- Compliance with regional AFI Air Navigation Plan (AFI ANP) as well as with the Global Air Navigation Plan (GANP-Doc9750), the prioritized Aviation Systems Block Upgrades-ASBU modules of the AFI Region;
- Compliance with the requirements for the Performance Based Communication and Surveillance (PBCS-ICAO doc 9869);
- Full redundancy to ensure continuity of services and failure tolerance;
- Bandwidth management and optimization.

2.4.2 The meeting agreed that the technical specifications for the AFISNET Re-engineering and modernization document should be completed and validated latest by the next SNMC meeting and submitted to the Board for further project management action.

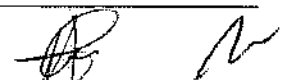
2.5 Agenda Item 5: Follow up of Lomé Coordination meeting for surveillance data sharing and implementation of AIDC along the Gulf of Guinea

2.5.1 The meeting reviewed the status of implementation of surveillance data sharing and AIDC implementation along the Gulf of Guinea and, noted the ongoing trials on AIDC between Accra and Abidjan, whereas tests with Brazzaville Lomé and Ouagadougou will commence soon.

2.5.2 The meeting recalled the signed MoU during the Board Coordination Meeting in Dakar, and encouraged members to expedite action on the implementation of the surveillance data sharing.

2.5.3 Further to this, ASECNA informed the meeting about the ongoing procurement of equipment relating to the first phase of surveillance data sharing between ASECNA centers and the neighboring centers of GCAA, NAMA and Roberts FIR, in accordance with the conclusions of Lomé Coordination meeting.

2.5.4 In line with the MoU relating to the Share Use of Air Navigation Services and/or Systems and Assistance, signed on 6th April 2018, during the Board Coordination Meeting in Dakar, ASECNA will coordinate with the other SNMC members for the smooth and harmonized implementation of the Surveillance data sharing as well as the cost sharing mechanism.



2.6 Agenda Item 6: Update of the AFISNET re-engineering and modernization action plan

2.6.1 The meeting reviewed and updated the Draft Action Plan for the Re-engineering and modernization of AFISNET, based on the conclusions of the Board Meeting of Montreal on 12th October 2018. The updated action plan is in appendix 2 to this document.

2.6.2 **Recommendation:** The meeting noted that some AFISNET stations are not working satisfactorily and the failure rate is high due to the obsolescence of the equipment. As a mandate to implement AIDC and surveillance data sharing, the re-engineering process must be fast tracked to address the malfunctions in the system so that the objectives set can be achieved.

2.7 Agenda Item 7: Preparation of the SNMC/26 Meeting

2.7.1 The meeting was provided with the invitation letter to the SNMC/26 scheduled to take place in Ouagadougou, Burkina Faso from 19 to 23 November 2018 and called for effective participation from the SNMC members with relevant contribution.

2.7.2 The meeting was informed on the intention of many industry companies (EUTELSAT, FREQUENTIS, INEO, NAV CANADA ...) to attend SNMC/26.

2.8 Agenda Item 8: Any Other Business

2.8.1 The meeting expresses its gratitude to the Civil Aviation Authority of Benin and ASECNA Representative in Benin, for the hospitality and actions taken to facilitate successful deliberations.

2.9 Closing remarks

The meeting was declared closed by Mr. Karl LEGBA, DG ANAC of Benin in the presence of DG of Benin Meteorology and the Representative of ASECNA in Benin.

In his closing remarks, the DG ANAC pledged his support for the action plan taken by the meeting, and encouraged the JTE to continue with the tasks assigned by the SNMC Board.

Signed on this day 02 November 2018

in Cotonou, Benin

For NAMA



Engr. OTITOLAYE Johnson

For GCAA



Ing. Mary Naa Kwakua TAGOE

For ASECNA



Bissa SOUGUE

Appendix 1 – List of participants



Réunion du Joint Technical Team (JTE) DU SNMC

Cotonou, Bénin, 31 octobre – 02 novembre 2018

Liste de présence

N° Ordre	Nom et Prénoms	Structure	Contact (E-Mail)	Signature	
				31/10/2018	01/11/2018
1	GUËYÈ Théobald	ASECNA	guyegamb@asecna.org		
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Réunion du Joint Technical Team (JTE) DU SNMC

Cotonou, Bénin, 31 octobre – 02 novembre 2018

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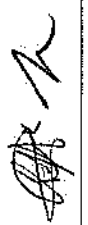
N° Ordre	Nom et Prénoms	Structure	Contact (E-Mail)	Signature	
				31/10/2018	01/11/2018
18	MARY NAA KWAKUA TAGDE	GCAA	mtagde@gcaa.com.gh m_dinas_74@yahoo.com		
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Appendix 2

AFISNET Re-engineering and Modernization

Draft action plan

N°	Action	Actor	Deadline	Observations	Comments
1	Finalization of the technical specification in line with the GANP, AFI-plan, ASBUs, and regional requirement including SNMC conclusions	ASECNA JTE and ICAO secretariat to facilitate the process	23 November 2018	To Finalize for SNMC/26: <ul style="list-style-type: none"> - Update appendices - Edit the document - Update the cost estimation 	Final version to be considered by SNMC/26
2	Preparation of the SNMC Board Meeting with ECOWAS	SNMC/JTE ICAO-WACAF to coordinate	30 November 2018	<ul style="list-style-type: none"> - Update of the project document - Development of the presentation of the project to ECOWAS 	Awaiting SNMC Board Final decision on funding
3	SNMC Board Meeting with ECOWAS	SNMC Board/ECOWAS/ICAO	TBD (To)	Final decision on funding	
4	Request For Proposal (RFP) Call for Tender	JTE/ASECNA or ECOWAS	To+2 months (T1)	<ul style="list-style-type: none"> - Development of the RFP documents - JTE meeting to finalize and adopt the RFP documents 	
5	Tenders Evaluation	JTE /ASECNA or ECOWAS	T1+2 months (T2)	<ul style="list-style-type: none"> - Evaluation matrix preparation - Evaluation session - Development of the evaluation report 	Tender Evaluation to be done in Dakar or at ECOWAS premises

N°	Action	Actor	Deadline	Observations	Comments
6	Award of contract	ASECNA or ECOWAS ICAO/WACAF secretariat to facilitate the process	T2+2 months (T3)	<ul style="list-style-type: none"> - Notify the successful bidder - Award of the contract - Acceptance or rejection of the award by the successful bidder 	
7	Project kick off meeting	JTE/supplier/ECOWAS	T3+2 weeks (T4)	<ul style="list-style-type: none"> - Discuss the implementation scheme and work plan - For clarification on both sides on any unclear aspect of the project 	Coordination Meeting to be held at the beginning of the implementation
8	Implementation of AFISNET Re-engineering	SNMC	In accordance with the contract terms T4+xx (T5)	<ul style="list-style-type: none"> - Periodic review meetings - Factory training - Factory acceptance - Shipment of project materials - Installation - Site training - Testing - Site acceptance 	
9	Monitoring and Evaluation of Re-Engineering Project	JTE/supplier	TBD	<ul style="list-style-type: none"> - Development of final project report - Final project review meeting - Report to the SNMC Board 	After Sites Acceptance Test (SAT)

