



# ICAO

## INTERNATIONAL CIVIL AVIATION ORGANIZATION WESTERN AND CENTRAL AFRICA OFFICE

### Twenty Fourth Meeting of the AFI Satellite Network Management Committee (SNMC/24) (Abuja, Nigeria, 14-18 November 2016)

#### Agenda Item 1: Follow up on SNMC/23 Conclusions and Decisions

(Presented by the secretariat)

#### SUMMARY

The purpose of this paper is to inform the meeting on the status of implementation of the conclusions and Decisions of SNMC 23 meeting held in Accra, Ghana, from 15 to 19 February 2016.

**Reference:** SNMC 23<sup>rd</sup> Report

#### Action by the meeting in paragraph 3

#### 1. Introduction

The Working discusses the status of implementation of Conclusions and Decisions adopted by the SNMC/23<sup>rd</sup> Meeting held in Accra, Ghana, from **15 to 19 February 2015**. Follow-up actions indicated in the tables have been established according to information available at the secretariat.

#### 2. Discussion

2.1 The 23<sup>rd</sup> meeting of SNMC (SNMC/23) was held in Accra, Ghana from 15 to 19 February 2015.

The meeting deliberated on ten (10) agenda items and formulated 13 Conclusions and 04 Decisions.

2.2 The secretariat developed the final report that was circulated, finalized and posted at:

<http://www.icao.int/WACAF/Pages/SNMC-23.aspx>

Since then, many actions have been undertaken by States/Organizations and the secretariat for the implementation of these conclusions and decisions.

#### 3. Action Required

The meeting is invited to:

- a) Review and up-date the status of implementation of SNMC/23 Conclusions and Decisions as attached in **Appendix** to this paper.
- b) Agree on any other follow-up action thereon.

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## Appendix

## Status of implementation of the Conclusions/Decisions of SNMC 23

<b>Agenda Item 1: Follow up Conclusions and Decisions of SNMC/22<sup>st</sup> meeting</b>				
<b>Conclusions/Decision</b>	<b>Text</b>	<b>Organization</b>	<b>Status of implementation</b>	<b>Comments</b>
<b>Conclusion 23/01</b>	<b>Implementation of SNMC outstanding Conclusions and Decisions</b>			
	<b>That:</b> <b>Concerned SNMC member States/Organizations are urged to implement the outstanding Conclusions/Decisions of SNMC previous meetings including those related to SNMC/22's as presented in Appendix B to this report.</b>	<b>All</b>	<b>Still valid</b>	
<b>Decision 23/02</b>	<b>Regional Test Equipment calibration Centre</b>			
	<b>That:</b> <b>a) ASECNA pursue the appropriate actions for the effective implementation and operation of the Regional Test Equipment Calibration Center;</b>	<b>All</b>	<b>On going</b>	<b>Report by ASECNA in WP 03</b> <b>NAMA will provide the necessary data</b>

	<p>b) NAMA, as a matter of urgency, provide ASECNA with the potential test equipment candidate to be calibrated as stated by SNMC/22 (conclusion 22/04 of SNMC/22 refers.);</p> <p>c) ICAO continue to support the development of the Regional Test Equipment Calibration Center by facilitating various partnership;</p>			<p><b>ICAO Continued the discussion with the partners</b></p>
<p><b>Decision 23/03</b></p>	<p><b>Follow up of SNMC Conclusions/Decisions</b></p>			
	<p><b>That:</b></p> <p>a) The Secretariat circulated amongst SNMC members the table developed to summarize SNMC conclusions/decisions;</p> <p>b) SNMC coordinator quarterly assess the status of implementation of SNMC conclusions/ decisions and update the follow up table with the latest information provided by members.</p>	<p><b>ICAO</b></p>	<p><b>Partially implemented</b></p>	<p><b>Focal Points to be nominated for follow up</b></p>
<p><b>Conclusion 23/04</b></p>	<p><b>Human Resources Capacity building</b></p>			

	<p><b>That:</b></p> <p>SNMC members endeavor to improve their capacity building for the maintenance personnel. In doing so they should revise and effectively implement their training programmes and plans including personnel exchange amongst AFISNET centers and report to next SNMC.</p>	All	Still valid	Initiatives undertaken to be shared
Conclusion 23/05	Implementation of the provision of the common training manual			
	<p><b>That:</b></p> <p>In accordance with the provision of the common training manual adopted by SNMC/22, members take the appropriate measures to:</p> <ol style="list-style-type: none"> <li>1. Conduct the training of their ATS electronic Personnel (ATSEP);</li> <li>2. Explore the way for the effective licensing of their maintenance personnel</li> </ol>	All	Partially Implemented	Initiatives undertaken to be shared
Decision 23/06	Development of e-learning			

	<p><b>That:</b></p> <p><b>In order to take benefit of the provision of the common training manual:</b></p> <p>a) <b>ASECNA develop, a draft e-learning project document to be circulated and considered by SNMC/24;</b></p> <p>b) <b>SNMC members provide ASECNA with their training requirements no later than 31 May 2016 for consolidation;</b></p> <p>c) <b>ICAO and the industry support the SNMC e-learning initiative by providing guidance and technical support.</b></p>	<b>All</b>	<b>Partially implemented</b>	<p><b>Module of interest for E-learning to be identified</b></p> <p><b>ASECNA to finalize the project document</b></p>
<b>Conclusion 23/07</b>	<p><b>Finalization, Operation and Maintenance of the AFISNET Website</b></p>			
	<p><b>That:</b></p> <p>a) <b>SNMC concerned members endeavor to provide GCAA with the necessary data they will wish to be published on the AFISNET Webpage;</b></p> <p>b) <b>The Robert FIR take the adequate urgent action in order to complete the development and operation of its Website;</b></p>	<b>All</b>	<b>Still valid</b>	<p><b>Members to provide GCAA with information</b></p> <p><b>Roberts is finalizing its Webpage</b></p>

	c) <b>The coordinating organization afford the funding of the maintenance of the Website</b>			<b>A committee to come out with the Webpage marketing process</b>  <b>Ghana continue supporting the maintenance and operation of the Webpage</b>
<b><u>Agenda Item 2:</u> Review of AFISNET operational and technical statistics of availability</b>				
<b>Conclusions/Decision</b>	<b>Text</b>	<b>Organization</b>	<b>Status of implementation</b>	<b>Comments</b>
<b>Conclusion 23/08</b>	<b>Restoration of the AFS circuits</b>			
	<b>That:</b> <b>As a matter of urgency concerned SNMC members take the appropriate action to restore the failing AFS (ATS-AFTN) circuits summarized in Appendix D to this report no later than 30/06/2016.</b>	<b>ASECNA, GCAA, NAMA</b>	<b>Implemented</b>	

<b>Conclusion 23/09</b>	<b>Mitigation of missing Flight Plans</b>			
	<p><b>That:</b></p> <p><b>As a matter of urgency,</b></p> <p><b>1. Members who have not yet done so establish the multidisciplinary local investigation Group composed with technical and operational personnel and including airlines representative in order to address the main causes of missing Flight Plans and report to the SNMC current coordinator for consideration by SNMC/24.</b></p> <p><b>2. ASECNA assist SNMC members by circulating its methodology for addressing missing Flight Plans no later than 30 April 2016.</b></p>	<b>ALL+ASECNA</b>	<b>On going</b>	
<b><u>Agenda Item 3: Interconnection and interoperability of AFISNET with its neighboring networks (CAFSAT, NAFISAT, SADC2)</u></b>				
<b>Conclusions/Decision</b>	<b>Text</b>	<b>Organization</b>	<b>Status of implementation</b>	<b>Comments</b>
<b>Conclusion 23/10</b>	<b>Consideration of the outcome of the audit for interconnecting AFISNET to its neighboring networks</b>			

	<p><b>That:</b></p> <p><b>In order to ensure cost effectiveness the expansion of AFISNET and its interconnection to its neighboring networks should be conducted taking due account of the outcome of the audit.</b></p>	<b>All</b>	<b>Still valid</b>	
<b><u>Agenda Item 4: Evaluation and Re-engineering of AFISNET (Implementation of Special AFI/RAN meeting Recommendations 6/18)</u></b>				
<b>Conclusions/Decision</b>	<b>Text</b>	<b>Organization</b>	<b>Status of implementation</b>	<b>Comments</b>
<b>Decision 23/11</b>	<b>Expansion of the Mandate of the Joint Technical Team for AFISNET evaluation and re-engineering of AFISNET</b>			
	<p><b>That:</b></p> <p><b>The mandate of the Joint Technical Team for AFISNET evaluation and re-engineering is expanded to carry out its remaining tasks aiming to modernizing AFISNET.</b></p>	<b>All</b>	<b>Implemented</b>	
<b>Conclusion 23/12</b>	<b>Roadmap for AFISNET Re-engineering</b>			
	<p><b>That;</b></p> <p><b>The Joint Technical Team for AFISNET evaluation and re-engineering finalize the roadmap for AFISNET re-engineering</b></p>		<b>Implemented</b>	

	<p>to be submitted to the approval of SNMC Board no later than 31 March 2016.</p> <p>The cost of the meeting for the finalization of the Roadmap of AFISNET will be supported by the common budget allocated to AFISNET Audit.</p>	All		
<b><u>Agenda Item 5: Review of the Conclusion &amp; Decision of APIRG/20 meeting and their impacts on AFISNET operation</u></b>				
<b>Conclusions/Decision</b>	<b>Text</b>	<b>Organization</b>	<b>Status of implementation</b>	<b>Comments</b>
Conclusion 23/13	Implementation of AMHS			
	<p>That;</p> <p>In accordance with APIRG/20 relevant conclusions SNMC members:</p> <ol style="list-style-type: none"> <li>1. Identify AMHS circuits' requirements (speed, transit time, latency...) and upgrade the VSAT backbone in the re-engineering process;</li> <li>2. Plan and conduct where possible trials on interconnection of AMHS in consideration of the AFI AMHS</li> </ol>	All	Still valid	

	Manual as well as the AFI AMHS IP Infrastructure Test Guidelines adopted by APIRG/20.			
<b>Agenda Item 6: Outcome of ITU WRC-15 pertaining to VSAT networks and forthcoming ATU related meetings ATU related meetings</b>				
<b>Conclusion 23/14</b>	<b>Protection of the C-Band operated by AFISNET</b>			
	<p><b>That:</b></p> <p><b>In order to ensure an efficient protection of the C-Band operated by AFISNET SNMC members initiate and conduct the adequate action for the effective implementation of ITU Resolution 154 (Rev. WRC 15):</b></p> <ul style="list-style-type: none"> <li><b>a) Implement Resolution 154 (Rev. WRC 15) by licensing the AFISNET and other C-band VSAT Stations and by ensuring their Registration in the ITU Master International Frequency Register (MIFR);</b></li> <li><b>b) Reinforce collaboration with their National Authority of Regulation of Telecommunication in order to submit and support civil aviation spectrum requirements contained in ICAO position for the future WRC-19;</b></li> </ul>	<b>All</b>	<b>Partially implemented</b>	

	<b>c) Ensure their participation to regional and sub-regional meetings organized by ITU, ATU and WATRA</b>			
<b><u>Agenda Item 7: Evolutions on Satellite Technology</u></b>				
<b>Conclusion 23/15</b>	<b>Satellite back up</b>			
	<b>That:</b> <b>In consideration of the criticism of the safety of life related information carried on AFISNET members and the industry examine the mechanism of an emergency plan to be activated as effective backup solutions to address satellite failure.</b>	<b>All</b>	<b>Still valid</b>	<b>Consultation with Intelsat to be pursued  Requirements on satellite back up to be included in then technical specification for AFISNET re engineering</b>
<b>Conclusion 23/16:</b>	<b>Partnership with the industry</b>			
	<b>That:</b> <b>a) SNMC members pursue their initiative to build a strong and balanced partnership with the industry in order to take</b>	<b>All</b>	<b>Still valid</b>	

	<p>benefit of the availability of resources for technical support and training.</p> <p>b) SNMC Secretariat continue to liaise with the industry for the coordination of joint actions with the members</p>			
<b><u>Agenda Item 8: Review of the Term of reference and Work Programme of SNMC</u></b>				
<b>Conclusions/Decision</b>	<b>Text</b>	<b>Organization</b>	<b>Status of implementation</b>	<b>Comments</b>
<b>Decision 23/17</b>	<b>Adoption of the Term of reference and Work Programme of SNMC</b>			
	<p><b>That:</b></p> <p><b>The Term of reference and Work Programme of SNMC are adopted as attached at Appendix F</b></p>	<b>All</b>	<b>Implemented</b>	

**Oustanding deficiencies on AFISNET identified by SNMC/23**

<b>No.</b>	<b>Identified circuit</b>	<b>Service</b>	<b>Actors</b>	<b>Comments</b>	<b>Deadline</b>
<b>1</b>	Abidjan/Roberts	ATS/DS	ASECNA/Roberts	Serviceable	30/06/2016
<b>2</b>	Accra/Bobo	ATS/DS &AFTN	GCAA/ASECNA	Serviceable	30/06/2016
<b>3</b>	Accra/Kano	ATS/DS & AFTN	GCAA/NAMA	AFTN link serviceable ATS/DS link to be restored when Kano connects two wire BCB card	30/06/2016
<b>4</b>	Accra/Luanda	ATS/DS & AFTN	GCAA/ENANA	Serviceable	30/06/2016
<b>5</b>	Brazzaville/Kano	AFTN	ASECNA/NAMA	Serviceable	30/06/2016
<b>6</b>	Brazzaville/N'Djamena	AFTN	ASECNA	Serviceable	30/06/2016
<b>7</b>	Brazzaville/ Nairobi	AFTN	ASECNA/KCAA	Serviceable	30/06/2016
<b>8</b>	Dakar/Bamako	AFTN	ASECNA	Serviceable	30/06/2016
<b>9</b>	Dakar/Roberts	AFTN	ASECNA/Roberts	Serviceable	30/06/2016
<b>10</b>	Kano/Libreville	ATS/DS &AFTN	ASECNA/NAMA	Serviceable	30/06/2016
<b>11</b>	Lagos/Libreville	ATS/DS &AFTN	ASECNA/NAMA	Serviceable	30/06/2016
<b>12</b>	Lagos/Malabo	ATS/DS &AFTN	ASECNA/NAMA	Serviceable	30/06/2016
<b>13</b>	Lagos/Niamey	ATS/DS &AFTN	ASECNA/NAMA	Serviceable	30/06/2016
<b>14</b>	Lagos/Cotonou	ATS/DS &AFTN	ASECNA/NAMA	Serviceable	30/06/2016