



**INTERNATIONAL CIVIL AVIATION ORGANIZATION**  
**WESTERN AND CENTRAL AFRICAN OFFICE**  
**Nineteenth Meeting of the AFI Satellite Network Management Committee**  
**(SNMC/19)**  
**(Accra, Ghana, 14-18 November 2011)**

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**Agenda Item 1: Follow up on SNMC/18 Conclusions**

(Presented by the secretariat)

**SUMMARY**

The purpose of this paper is to inform the meeting of the status of implementation of SNMC 18 conclusions and Decisions.

**Reference:** SNMC 18 report

**Action by the meeting in paragraph 3**

**1. Introduction**

The Working Paper presents the status of implementation of Conclusions adopted by the SNMC/18 Meeting held in Ouagadougou, Burkina Faso, from 01 to 04 25 July 2010. Follow-up actions indicated in the tables have been established according to information available at the secretariat.

**2. Discussion**

2.1 The 17<sup>th</sup> meeting of SNMC (SNMC/17) was held in Ouagadougou, Burkina Faso from 1<sup>st</sup> to 04<sup>th</sup> July 2010. The meeting deliberated on 13 agenda items and formulated 18 Conclusions and 03 Decisions.

2.2 The secretariat developed the final report that was circulated, finalized and posted at <http://www.icao.int/wacaf/meetings/2010>. Since then many actions have been undertaken by States/administration 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 implementation status of SNMC/18 Conclusions at **Appendix A.**
  - b) Agree on any other follow-up action thereon.
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## Appendix A

## Status of Conclusions related to SNMC/ 18 Meeting

Conclusions	Implementation Status	Remarks
<p><b>Conclusion 18/01: Implementation of SNMC/17 outstanding conclusions</b></p> <p>That:</p> <p>SNMC member States/Organizations are urged to implement SNMC/17 outstanding conclusions presented in <b>Appendix B</b> and pertaining to corrective actions to be undertaken in order to:</p> <p>a) Restore and stabilize AFISNET reliability and availability as required;</p> <p>b) Improve maintenance coordination and monitoring procedures.</p>	<p>a) Still valid</p> <p>b) Still valid</p>	<p>States/Organizations to report on recent and current developments</p>
<p><b><u>Conclusion 18/02: Maintenance Personnel exchange and Training</u></b></p> <p>That:</p> <p>SNMC States/Organizations reinforce maintenance personnel exchange and training including language proficiency and develop a maintenance personnel training programme based on the common facilities by the end of December 2010 and ICAO coordinates the finalization of this programme.</p>	<p>a) Still valid</p>	<p>States/Organizations to report on recent and current developments</p>
<p><b><u>Conclusion 18/03: Follow up on the status of implementation of SNMC conclusions</u></b></p> <p>That:</p> <ol style="list-style-type: none"> <li>1. SNMC member States forward, quarterly, to the current coordinating State/Organization the status of implementation of SNMC meeting conclusions for compilation and reporting to all stakeholders; and</li> <li>2. ICAO continues to support States/organizations bilateral arrangements for their implementation.</li> </ol>		<p>ASECNA to report</p>

<p><b><u>Conclusion 18/04: Improvement of Operational availability of AFISNET</u></b></p> <p>That:</p> <p>SNMC member States/organizations endeavor to clear out all the pending identified AFS deficiencies by the end of year 2010.</p>	Still Valid	States/Organizations to report on recent and current developments
<p><b><u>Conclusion 18/05: AFISNET earth station Performance Data Collection Form</u></b></p> <p>That:</p> <p>ASECNA and Ghana CAA develop and submit an Earth Stations Performance Data Collection Form (PDCF) to facilitate collection of stations availability data, taking into consideration the most sensitive components of the network.</p>	Still Valid	CNS/SG has adopted the draft PDCF
<p><b><u>Conclusion 18/06: Updating AFISNET nodes</u></b></p> <p>That:</p> <p>States/Organizations update their nodes list with their coordinates, the frequency plan and report to ICAO not later than 15 July 2010 and for ICAO to circulate a consolidated file to the stakeholders.</p>	Still Valid	Status to be provided by states /Organizations
<p><b><u>Conclusion 18/07: Implementation of Conclusion 6/19 of SP AFI RAN</u></b></p> <p>That:</p> <p>a) SNMC members States/Organization participate in the AFI VSAT managers meeting called for by Conclusion 6/19 of the SP AFI RAN meeting on the basis of representative (s) from each SNMC members State/Organization (ie: NAMA, GCAA, Roberts FIR, ASECNA);</p> <p>b) ICAO regional Offices (WACAF and ESAF) initiate suitable arrangements for the venue of the first meeting during which the Terms of Reference and frequency of meetings will be defined;</p> <p>c) APIRG indicates the body to which reports of these global meetings will be addressed.</p>	<p>Meetings held with participation of NAMA, Roberts &amp; ASECNA</p> <p>Completed</p> <p>Completed</p>	
<p><b><u>Decision 18/01: Adoption of the Report of the first</u></b></p>	Completed	

<p><b>meeting of the Joint Technical Evaluation and Re-engineering Team</b></p> <p>That;</p> <p>The Conclusions of the first meeting of the Joint Technical Evaluation and Re-engineering Team be adopted as presented in <b>Appendix C. !b</b></p>		
<p><b><u>Conclusion 18/08: Implementation of the recommendations of the Joint Technical Team for AFISNET Evaluation and Re-engineering</u></b></p> <p>That:</p> <p>States/Organizations have urged to implement the recommendations of the report of the AFISNET Joint Technical Evaluation and Re-engineering Team as presented in <b>Appendix D</b> by focusing their efforts on the following items:</p> <ul style="list-style-type: none"> <li>a) Clearing current malfunctions;</li> <li>b) Upgrade of Multiplexers;</li> <li>c) Upgrade of Automatic Messages Switching Systems</li> <li>d) Upgrade of VCSS</li> <li>e) Redundancy of modems and multiplexers</li> <li>f) Calibration of test equipments</li> </ul>	<p>Still valid with ongoing actions</p>	<p>Technical Specifications document completed and to be adopted by this meeting</p>
<p><b><u>Conclusion 18/09: Sharing of technical data</u></b></p> <p>That:</p> <p>All Administrations/Organizations send relevant technical data on current and intended Automatic Messages Switching and Voice Communication Switching Systems upgrades to ICAO WACAF Office for tabulation and further remittance to administration for their study.</p>	<p>Still Valid</p>	
<p><b><u>Conclusion 18/10: Continuity of AFTN Service</u></b></p> <p>That:</p>	<p>Still valid</p>	<p>States /organizations to report</p>

<p>When upgrading/replacing Automatic Messages Switching Systems, Administrations/Organizations should consider backward integration with existing messages switches with the emerging technology (AMHS) in order to ensure the continuity of AFTN service within the transition (AFTN/AMHS) time.</p>		
<p><b><u>Conclusion 18/11: ATIS-Voice Numbering Plan</u></b></p> <p>That:</p> <p>When upgrading/replacing Voice Communication Switching Systems Administrations/Organizations should take into consideration the need of an ATIS-Voice numbering plan for AFI.</p>	<p>Still valid</p>	
<p><b><u>Decision 18/02: Need of a calibration center for AFISNET Test Equipments</u></b></p> <p>That:</p> <p>A common calibration center for test equipments should be established in the WACAF region for the benefit of members States/Organizations as well as external client.</p>	<p>Not implemented Still valid</p>	<p>Proposals to be made to go ahead</p>
<p><b><u>Conclusion 18/12: AFISNET Maintenance Human Factors</u></b></p> <p>That:</p> <p>AFISNET Administrations /Organizations provide AFISNET maintenance structures with adequate personnel with appropriate training:</p> <p>a) Training workshops should be performed in partnership with industry (Satellite Service Providers, facilities vendors....) in order to take benefit from their expertise in the current</p>	<p>Not implemented Still valid</p>	

<p>and emerging technologies;</p> <p>b) Training should be in line with ICAO ATSEPS recommended programme followed by licensing of qualified personnel.</p>		
<p><b><u>Decision 18/03: Updating the mandate of the Joint Technical Evaluation and Re-engineering Team</u></b></p> <p>That:</p> <p>The Joint Technical Evaluation and Re-engineering Team should pursue the task assigned to it by SNMC/17 and complete the study for AFISNET re-engineering by the end of October 2010. This study will focus on the following items taking into consideration advantages/disadvantages, cost-effectiveness, reliability and safety risks aspects:</p> <p>a) AFISNET topology;  b) AFISNET components;  c) AFISNET base band and satellite access; and  d) AFISNET bandwidth optimization.</p> <p>Meanwhile, States/organizations should take the urgent appropriate actions to clear out the pending current deficiencies before the end of year 2010.</p>	<p>Completed</p>	
<p><b><u>Conclusion 18/13: Conversion of IBS Band to leased band</u></b></p> <p>That:</p> <p>States/organizations pursue and complete the implementation of conclusion of SNMC17/10 by adopting the following process:</p> <p>a) IBS carrier status of stations be forwarded to ASECNA for compilation and transmission to INTELSAT; and  b) A Technical/financial meeting be held by SNMC members with INTELSAT to ensure the conversion of IBS band to a leased band.</p>	<p>Not implemented Still valid</p>	
<p><b><u>Conclusion 18/14: Implementation of CNS/SG/3 draft conclusions related to AFISNET</u></b></p>		<p>Concerned States/Administrations to report</p>

<p>That:</p> <p>SNMC members States/Organizations are urged to implement the draft conclusions of CNS/SG/3 related to AFISNET as presented in <b>Appendix E</b>;</p> <p>When updating the current deficiencies status for submission to APIRG/17, ICAO deletes the operating Accra/ Luanda link from the list of AFS deficiencies.</p>		
<p><b><u>Conclusion18/15:</u> Interconnection between AFISNET with neighboring Networks</b></p> <p>That:</p> <p>The concerned States/Organizations are urged to complete the interconnection exercise of AFISNET with neighboring networks, in particular ASECNA, to take the appropriate actions in coordination with RVA (DRC) in order to realize the interconnection between the following nodes by the end of year 2010:</p> <ul style="list-style-type: none"> <li>a) Brazzaville/Kinshasa</li> <li>b) Bangui/G'Badolite</li> </ul> <p>ICAO WACAF supports the bilateral arrangements between ASECNA and RVA.</p>	<p>Not implemented</p>	<p>ASECNA to report</p>
<p><b><u>Conclusion18/16:</u> RCP for AFISNET</b></p> <p>That:</p> <p>SNMC members take the advantage of RCP requirements stated in ICAO Doc 9869 to improve the provision of VSAT based Aeronautical Mobile Services and ensure the availability of AFISNET hubs and remote VHF stations accordingly.</p>		<p>States/Administrations to report</p>
<p><b><u>Conclusion18/17:</u> Form of agreement and Terms of Reference of AFISNET</b></p> <p>That:</p> <p>The Form of Agreement and the Terms of Reference of AFISNET be circulated by SNMC secretariat as soon as possible;</p> <p>States/Organizations forward their comments and remarks not later than 3 September 2010;</p>	<p>Completed</p>	

<p>ICAO compiles and forwards the amended Form of Agreement and Terms of Reference of the SNMC to be signed by the end of December 2010.</p>		
<p><b><u>Conclusion18/18: Audit of AFISNET.</u></b></p> <p>That:</p> <p>In the framework of the implementation of SP AFI RAN conclusion 6/18 and to consolidate the recommendations within the report of the Joint Technical Evaluation and Re-engineering Team, an AFISNET global audit be conducted in this regards.</p> <ul style="list-style-type: none"> <li>a) ASECNA is to circulate a draft Terms of Reference for the Audit not later than end of September 2010;</li> <li>b) SNMC members are to update the draft report and forward to ICAO; and</li> <li>c) ICAO is to compile and finalize the Terms of Reference for a call for Tenders.</li> </ul>	<ul style="list-style-type: none"> <li>a) Completed</li> <li>b) Completed</li> <li>c) Completed</li> </ul>	<p>Call for tenders process to be submitted to SNMC board</p>