INTERNATIONAL CIVIL AVIATION ORGANIZATION
WESTERN AND CENTRAL AFRICAN OFFICE

AFISNET SATELLITE NETWORK MANAGEMENT COMMITTEE (SNMC)
COORDINATION MEETING
Dakar, 26 March 2008

Agenda Item 2 : Review of SNMC/16 Conclusions

SUMMARY

This paper presents SNMC/16 Conclusions for consideration by the Meeting.

The meeting is invited to review SNMC/16 Conclusions as summarized at Appendix to this paper, for guidance when discussing its various Agenda items.

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SIXTEENTH MEETING OF AFISNET SATELLITE MANAGEMENT COMMITTEE (SNMC/16)
(Dakar, Senegal, 17-19 December 2007)

SUMMARY OF CONCLUSIONS

Agenda Item 1 : Follow up on SNMC/15 Conclusions

Conclusion 16/01:   **Implementation of outstanding conclusions**

That AFISNET Administrations and Organizations pursue implementation of, or endeavour to implement, outstanding conclusions from SNMC previous meetings concerning, *inter alia*:

a) **implementation of a corrective action plan to restore system reliability and availability as required:**
b) **exchange of personnel between centres;**
c) **training of personnel, including language proficiency (English/French);**
d) **implementation of coordination and monitoring procedures ; and**
e) **re-engineering of AFISNET network.**

Agenda Item 2 : Review of operational statistics of availability for AFISNET-supported links

Conclusion 16/02:   **Analysis of operational statistics of availability**

That the operational statistics of availability submitted to SNMC meetings by AFISNET Administrations and Organizations, be supplemented by explanations of nature of outages and the corresponding remedial action implemented or to be implemented.

Agenda Item 3 : Review of AFISNET earth stations performance by Administrations/Organizations

Conclusion 16/03:   **Facility mean time between failure (MTBF)**

That the mean time between failure (MTBF) be determined for AFISNET facilities using the guidance material concerning reliability and availability of radiocommunications aids contained in ICAO Annex 10, Volume I, Attachment F, and reflected in Appendix C to this report.

Agenda Item 4 : Review/Updating of AFISNET nodes

Conclusion 16/04:   **Descriptive data for AFISNET nodes**

That AFISNET Administrations and Organizations provide descriptive information concerning their managed network nodes, including location, geographical coordinates, coverage/range (as appropriate) for aeronautical fixed services (AFS) and aeronautical mobile services (AMS) stations. The required information should be compiled and edited by the ICAO Regional Office for Western and Central Africa.

Agenda Item 5 : Submission by AFISNET Administrations/Organizations of basic parameters for all managed links

Conclusion 16/05 :   **Update of AFISNET links basic parameters.**

That AFISNET Administrations and Organizations review and amend as necessary the basic parameters concerning all their managed links as shown at Appendix D to this report. The updated information should be forwarded to the ICAO Regional Office for Western and Central Africa.

Agenda Item 6 : Guidelines on performance for VSAT networks

Conclusion 16/06:   **Guidelines on performance for VSAT networks**

That AFISNET Administrations and Organizations make use of the guidelines for the performance of VSAT networks provided in Appendix E to this report.

Agenda Item 7 : Review of the ICAO Technical Evaluation of AFISNET

Conclusion 16/07:   AFISNET technical evaluation and re-engineering project

That AFISNET member Administrations and Organizations undertake to implement a joint technical evaluation of the network in view of its re-engineering, in accordance with SNMC Conclusion 15/06. In this connection :

1) AFISNET member Administrations and Organizations should implement a joint technical evaluation of the network. In so doing, they should establish a team of qualified experts to:

   a) conduct a comprehensive assessment of the network potential for current and future requirements and applications;
   b) identify technical and operational deficiencies of the current network and propose short-term solutions for their mitigation;
   c) develop user requirements and basic specifications for the re-engineering of the network, to be submitted for formal approval by members; and
   d) participate in the request for proposals (RFP) process referred to in *2)* hereunder; and
   e) prepare a report for consideration by the next SNMC meeting [1] ;

2) a request for proposals (RFP) for upgrading/re-engineering of AFISNET, including technical, operational, financial and institutional aspects should be initiated through the ICAO technical cooperation mechanism based on a comprehensive assessment of current and future requirements and applications to be supported by the network ; and

3) the ICAO Regional Office should propose the timescales for the RFP process and related steps based on *1)* hereabove for consideration by the next SNMC meeting.

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Conclusion 16/08 :   Designation of project focal points of contact

That AFISNET Administrations and Organizations should designate their project focal points of contact responsible for coordinating the activities related to the implementation of SNMC Conclusion 16/07 - *Technical evaluation and re-engineering of AFISNET network*. In so doing, the list of AFISNET technical coordinators and their contact details shown at Appendix xxx to this report, should be reviewed, updated as necessary and forwarded to the ICAO Regional Office for Western and Central Africa not later than 31 January 2008.

Agenda Item 8 : Interconnection between AFISNET, SADC/2 and NAFISAT networks

Conclusion 16/09:   Integration of AFISNET, SADC/2 and NAFISAT networks

That concerned AFISNET Administrations and Organizations expedite the interconnection between AFISNET, SADC/2 and NAFISAT networks to achieve full AFS connectivity in the AFI Region.

Conclusion 16/10 :   Integration of subregional VSAT networks

That, in accordance with APIRG Conclusions 13/11 and 15/12, and SNMC Conclusions 15/06 and 15/09, the objective of integrating all sub-regional networks be maintained in the long term re-engineering activities for the purpose of providing a seamless aeronautical communication system in the AFI Region.

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[1] *Roberts Flight Information Region offered to host SNMC/17 by October/November 2007.*