

**INTERNATIONAL CIVIL AVIATION ORGANIZATION****Western and Central Africa Office****Second Meeting of the Central Atlantic FIR Satellite Network (CAFSAT) Management Committee (CNMC/2)****(Dakar, Senegal, 06-08 November 2012)**

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**Agenda Item 6: Review of the APIRG/18 Meeting Conclusions related to CAFSAT****(Presented by the secretariat)****SUMMARY**

The purpose of this paper is to provide the meeting with the conclusions and decisions of SAT 17 meeting related to CAFSAT and call for remedial actions to clear out the deficiencies and dysfunctions.

**Reference**

Report of APIRG/18 Meeting

**Action by the meeting in paragraph 3****1. Introduction**

The Seventeenth Informal Coordination Meeting on the improvement of air traffic services over the South Atlantic (SAT/17) was held in Las Palmas, Spain, from 18 to 20 April 2012. The meeting was hosted by the Aeropuertos Espanoles y Navegacion Aeria (AENA) of Spain.

The meeting was attended by 46 participants from nine (09) ICAO contracting States namely, Angola, Brazil, Cape Verde, Cote d'Ivoire, Ghana, Portugal, Senegal, South Africa and Spain, 03 International/Interregional Organizations (ASECNA, IATA, ICAO) and 04 representatives of the industry (INSA, INECO, NUCLEO and SITA). The meeting endorsed the report on the 7<sup>th</sup> SAT/FIT meeting held back to back with SAT/17 meeting.

**2. Discussion**

2.1 SAT/17 meeting discussed in detail issues related to CAFSAT network evaluation and re-engineering (**See WP 07A**), interconnection and interoperability aspects in term of establishment of new circuits as reported in **WP 05A -agenda item 4**.

In this regard the meeting examined the status of implementation of Conclusions SAT16/16 & SAT 16/17 ATS voice circuits implementation via REDDIG and CAFSAT VSAT networks and ATS voice circuits implementation via AFISNET and CAFSAT VSAT networks and noted a low pace of implementation of these conclusions in spite of the operational requirement raised up by SAT 16 meeting.

2.2 The draft action plan developed by ICAO SAM Office and adopted by SAT 16 meeting for the implementation of such circuits was reminded to the meeting and the stake holders were requested to confirm their intention to progress on the implementation process.

2.3 SAT 17 also considered in particular the evolution of the project consisting to implement the ATS/DS circuit between Luanda and Atlántico. Brazil informed the meeting on its ongoing discussion for a contract which is expected to be signed by the end of year 2012 with INSA, the CAFSAT network provider in order to modernize its node in Recife. This project takes into consideration the need for the link with Luanda.

Due to the absence of ENANA, the Angola Air Navigation service provider, the meeting could not be provided with any consistent information indicating Angola intended or planned project and the network provider confirmed that contact was established with ENANA in the past but currently there was no discussion and no more contact for future discussion with Angola on the project.

The meeting therefore agreed through **Conclusion SAT17/04** on a need for a coordination meeting/teleconference between Angola and Brazil with the assistance of ICAO to be held no later than 30 September 2011, to decide on a planning of the effective implementation of the ATS/DS circuit between Luanda and Recife before the end of June 2013.

This Teleconference held on 29 June 2012 involved Angola, Brazil, INSA and ICAO regional WACAF Office. The teleconference agreed on a draft schedule as presented in **Appendix A**, for the establishment of the link.

2.4 SAT 17 meeting also discussed the issue related to the venue and holding of CNMC.

It was recognized that opportunity should be taken to hold CNMC meetings during SAT meetings period in order to take benefit of the presence of participants of SAT states. The meeting decided (**Decision SAT 17/06**) that CNMC meetings will be held in parallel with SAT/FIT meetings with merged sessions if necessary. However the current meeting was maintained to be held in Dakar before the end of year 2012 to ensure the progress on the ending reengineering exercise. Decision Sat 17/06 reads as follows:

**That:**

**In order to ensure coordination and optimize resources, CNMC and SAT/FIT meetings are held at the same venue and dates with merged sessions if necessary.**

2.5 The issues addressing the AFI ATN Architecture Plan, the further investigations on the lack of flight plans and on the loss of AFTN messages in the AFI Region were also discussed and subjected to conclusions.

These issues are directly linked to the architecture and performance of concerned CAFSAT nodes.

The conclusions/decision of SAT 17 meeting related to CAFSAT operation are presented in **Appendix B** to this working paper and the entire report on SAT/17 can be downloaded at: <http://www.icao.int/WACAF/Pages/meetings.aspx> .

### **3. Action by the meeting**

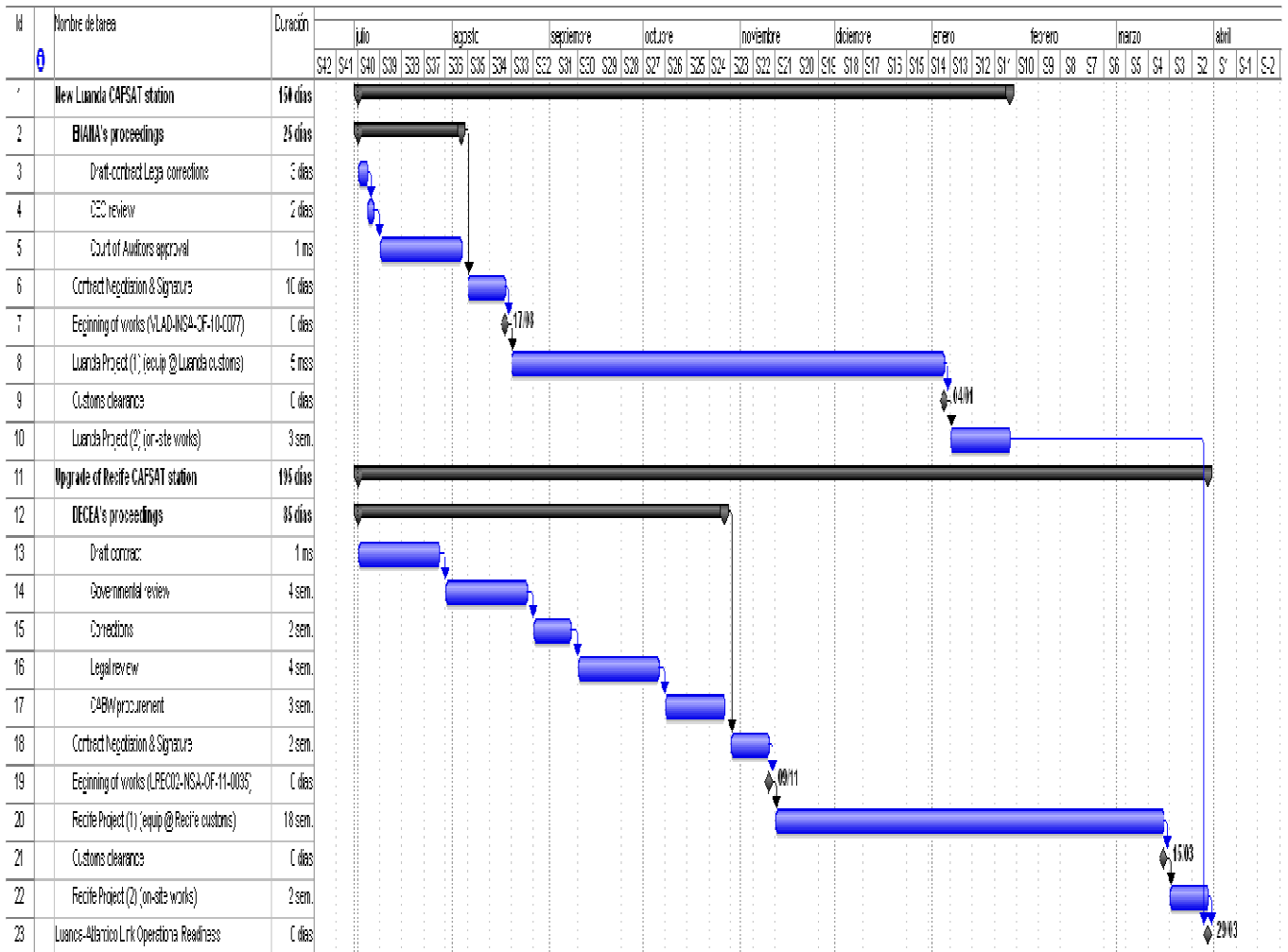
The meeting is invited to:

- a) Take note of the information here given above;
- b) Encourage CNMC concerned members States/Organizations to implement SAT/17 Conclusions in particular Conclusions related to CNMC issues
- c) Encourage CNMC concerned members States/Organizations to increase their participation in SAT and CNMC forthcoming meetings.

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## APPENDIX A

### Schedule for the establishment of the Luanda-Recife ATS/DS circuit



## **APPENDIX AB**

### **List of SAT 17 Conclusions and decisions pertaining to CNMC**

#### **Agenda Item 3: Communications, navigation and surveillance (CNS)**

##### **3.1 Follow up of SAT/16 Conclusions pertaining to the CNS field**

###### **Follow up Conclusion SAT/16/10: Implementation of the ATS/DS Circuit between Luanda and Atlantico**

###### **Conclusion SAT17/04: Implementation of the ATS/DS Circuit between Luanda and Atlantico**

*That as a matter of urgency:*

- a) Angola confirm to SAT members the schedule within which it intends to implement the CAFSAT node of Luanda taking into consideration the project of modernization of Recife CAFSAT node planned by Brazil;*
- b) Angola and Brazil convene under ICAO auspices, and no later than end of September 2012, a coordination meeting to agree on a planning of the effective implementation of the ATS/DS circuit between Luanda and Recife before the end of June 2013.*

###### **Conclusion SAT17/06: Implementation of AMHS within the SAT region**

*That In order to ensure a coordinated AMHS interconnection:*

- a) ICAO Regional Office of Dakar develop and circulates between SAT members a template on the current status of implementation of AMHS;*
- b) SAT members report on the future development of the ongoing and/or planned project for the implementation of AMHS;*

*c) ICAO pursue the assistance to SAT members in the implementation of AMHS through Regional seminars and workshops.*

### **Conclusion SAT 17/07: Trials on AMHS systems**

*That when implementing AMHS systems SAT members take the necessary actions to conduct trials with their neighboring centers through Memorandum of Understandings (MoU) as called upon by SAT/16 conclusion 16/12.*

## **3.2 Review of AFS Performance**

*Follow up Conclusion SAT/16/14: 16/19 and decision 16/04: Regular Evaluation of AFS performance; Development of CAFSAT Earth Stations Performance Data Collection Form (PDCF) and Utilization of provisional templates for the collection of the Performance data statistic of CAFSAT nodes*

### **Decision SAT17/03: Performance Data Collection Form**

*That the Performance Data Collection Form adopted by APIRG/18 meeting and presented in Appendix C to this report be used by SAT members to assess the operational and technical performance of AFS.*

### **Follow up Conclusion SAT/16/15: Development of a consolidated procedure for the analysis of missing Flight Plans**

### **Conclusion SAT17/08: Development of a consolidated procedure for the analysis of missing Flight Plans**

*That in accordance with the statement of conclusion SAT/16/15, ASECNA circulates by the end of May 2012, the draft procedure amongst SAT members for consolidation and assessment of the missing flight plans to be reported to SAT/18.*

**Follow up Conclusion SAT/16/16 and SAT/16/17: ATS voice circuits implementation via REDDIG and CAFSAT VSAT networks and ATS voice circuits implementation via AFISNET and CAFSAT VSAT networks**

**Conclusion 17/09: ATS voice circuits implementation by double hoop satellite link through the REDDIG, CAFSAT and AFISNET networks**

*That:*

*a) Argentina, Brazil, French Guyana, Santa Maria, Senegal, South Africa, Trinidad & Tobago, Uruguay and Cote d'Ivoire confirm to the respective ICAO regional offices by the end of September 2012 their plan to implement ATS voice trials using a double hoop satellite link through the REDDIG, CAFSAT and AFISNET networks following the draft Action Plan developed by SAT/16 (Appendix D to SAT/16 report), in order to complete the pending direct circuit implementation between CAR /SAM, AFI and NAT.*

*b) AFI SAM and NAT ANPs to be amended accordingly.*

### **3.3 CNMC issues**

**Decision SAT17/04: Nomination of contact persons for the joint technical team for CAFSAT evaluation and re-engineering.**

*That SAT concerned members communicate to Spain (Team Leader) the name and the title of their designated contact person for the joint technical team for CAFSAT evaluation and re-engineering no later than end of April 2012.*

**Decision SAT17/05: CAFSAT Reengineering Roadmap and Reference Document**

*That:*

- a) The CAFSAT Reengineering schedule and its Reference Working Document developed by Spain are approved as presented to SAT states.*
- b) CNMC members follow up and provided Spain with the adequate additional information for the development of the project*

**Decision SAT17/06: Holding of CNMC meetings**

*That in order to ensure coordination and optimize resources, CNMC and SAT/FIT meetings is held at the same venue and dates with merged sessions if necessary.*

**Conclusion SAT17/10: Participation of SAT members to the meetings of the Task Force on an integrated AFI Aeronautical VSAT Networks**

*That SAT concerned members namely Angola, Cape Verde, Cote d'Ivoire, Ghana, Mauritania, Spain, Senegal, South Africa, Roberts endeavor to regularly participate in the meetings of the Task Force on an integrated AFI Aeronautical VSAT Networks aiming to harmonize the implementation of a robust satellite based backbone network for the provision of ATN components and other CNS services.*

**Agenda Item 7: Any other business**

**Conclusion SAT17/13: Participation of Rochambeau and Piarco to SAT Meetings**

*That as a matter of coordination efficiency Rochambeau and Piarco ACCs endeavour to regularly attend the SAT meetings.*