



INTERNATIONAL CIVIL AVIATION ORGANIZATION
South American Regional Office

REGIONAL PROJECT RLA/03/901
REDDIG Administration and Satellite Segment Management System

THIRTEENTH MEETING OF THE COORDINATION COMMITTEE (RCC/13)

(Lima, Peru, 9-10 March 2010)

Agenda Item 1: Review of the Report of the Twelfth Meeting of the REDDIG Coordination Committee

(Presented by the Secretariat)

| Summary | |
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| <p>Under this agenda item, a review will be made of the report of the twelfth meeting of the REDDIG Coordination Committee, analysing the status of implementation of its conclusions and the valid conclusions of previous coordination meetings.</p> | |
| <p>Reference: Report of the twelfth meeting of the REDDIG Coordination Committee, held in Lima, Peru, on 9-10 March 2010.</p> | |
| Strategic Objective: | This working paper is related to Strategic Objective D. |

1. Introduction

1.1 The twelfth meeting of the REDDIG Coordination Committee (RCC/12) was held in Lima, Peru, on 9 - 10 March 2009, with the participation of 6 member States (Argentina, Brazil, Chile, Paraguay, Peru and Venezuela) and one international organisation (COCESNA), with a total of 20 participants, including ICAO officers. The meeting reviewed the report of the RCC/11 meeting, the status of implementation of valid conclusions, the activities performed, the programme of future project activities, the financial situation of the project, the annual report of the project, and other matters.

1.2 **Appendix A** to this working paper contains a list of RCC conclusions still valid and their status of implementation.

2. Matters Addressed by the RCC/12 Meeting

Review of the Report of the Eleventh Coordination Meeting

2.1 A review was made of the results of the previous meeting (RCC/10), held in Lima, Peru, on 5-6 March 2008, the status of implementation of conclusions, the activities performed, the programme of activities for 2008, the financial situation of the project, the annual report of the project, and other matters.

2.2 Upon analysing Conclusion RCC 11/1 - *Action plans for the implementation of pending REDDIG backup circuits*, the meeting took note that only Chile, French Guiana, and Trinidad and Tobago had provided information about their plans to implement a circuit to serve as backup in case of failure of the node. All the other REDDIG members that had the implementation of a backup circuit still pending and had not inform about their corresponding plans pursuant to Conclusion 11/1 will not have backup circuits programmed through the REDDIG. Accordingly, the meeting considered that Conclusion RCC 11/1 was finalised.

2.3 Upon analysing Conclusion RCC 11/2 - *Action by the ATN Task Force to provide guidance to the States that were implementing ATN applications based on the IP protocol*, the meeting took note that an IP addressing plan (version 4) had been prepared and presented at the sixth meeting of the CNS Committee of the ATM/CNS Subgroup (CNS/COMM/6). With respect to the IP addressing plan, it should be noted that IP addresses for intra-regional links through the REDDIG would be adopted in the SAM Region. Accordingly, Conclusion RCC11/2 was considered as finalised.

Report on Activities Performed

2.4 Under this agenda item, the RCC/12 meeting took note of the following activities carried out since the previous meeting:

- a) Renewal of the agreement with INTELSAT for the provision of the satellite service;
- b) Follow-up on the activities for the implementation of the MEVAII/REDDIG interconnection;
- c) Alternating operation of NCCs and the REDDIG management centre;
- d) Training programme;
- e) Implementation of new services;
- f) Logistics and spare part management; and
- g) Analysis of the status of REDDIG equipment

2.5 Under this item, upon reviewing the status of REDDIG equipment, the meeting took note that Viasat and MEMOTEC were no longer manufacturing the Linkway MODEM and the MEMOTEC FRAD, respectively; in this respect, the meeting formulated Conclusion RCC 12/1 - *Actions to keep the REDDIG equipment operational in the coming years*, defining actions to address the discontinuation of the aforementioned equipment.

2009 Work Programme

2.6 Under this agenda item, the meeting analysed a proposal presented by the REDDIG Administration concerning activities to be carried out in 2009, *inter alia*:

- a) Continuation of the activities for the implementation of the MEVA II/REDDIG

- interconnection;
- b) 2009 training programme;
- c) Third technical-operational meeting;
- d) Network migration to satellite IS-14;
- e) Alternating operation of NCCs and the REDDIG management centre;
- f) Implementation of new services;
- g) Review of the plan for total renewal of the REDDIG platform.

2.7 The meeting studied the REDDIG bandwidth requirements, taking into account the implementation of new services, and formulated Conclusion *RCC 12/2 - Review of the additional bandwidth requirement for the REDDIG*. It is expected that the results of the study will be presented at the Meeting.

Financial Situation of the Project

2.8 Under this agenda item, the meeting was informed about the obligations undertaken by the project in 2008, and the situation of cost-sharing contributions; it also analysed and approved the budget for 2009.

2.9 Three conclusions were formulated: Conclusion *RCC 12/3 - Activation of actions foreseen in the procedure for cases of default in payment, for Suriname*; Conclusion *RCC 12/4 - Deposit of cost-sharing contributions to Project RLA/03/901*; and Conclusion *RCC 12/5- Review of the budget for Project RLA/03/901*.

Annual Project Report

2.10 Under this item, the REDDIG member States reviewed the 2008-2009 annual report of the project. The assessment was satisfactory. The main achievement was the efficient management of the REDDIG, providing member States with a highly reliable communication network for their aeronautical services, and timely support for the provision of spare parts and repair of network node equipment. Two basic courses on the REDDIG station were conducted: one for non-Spanish-speaking member States/Territories of the REDDIG, which was conducted in English in Georgetown, Guyana, and the other for Spanish-speaking member States of the REDDIG, which was held in Maiquetía, Venezuela. A 64Kbit/seg circuit was programmed between Ezeiza and Asunción to conduct AMHS trials between the respective MTAs, with successful results. A circuit between the REDDIG node of Curitiba and the node in Ezeiza, passing through the Manaus node, was also programmed to conduct VoIP trials on a double satellite hop circuit.

2.11 The main problems included the fact that some REDDIG member States had not paid their cost-sharing dues on a timely basis, and did not readily process the export of equipment and cards to be repaired at the factory or the import of spare parts for the REDDIG warehouse, putting REDDIG operations at high risk.

Other Matters

2.12 In response to a kind invitation by the *Corporación Peruana de Aeropuertos y Aviación Comercial S.A - CORPAC* (Peruvian Corporation of Airports and Commercial Aviation), the delegates attending the meeting visited the facilities of the new AMHS system purchased by CORPAC, and the ADS-B test station, both installed at the building where the Lima ACC operates at the Jorge Chavez international airport of Lima.

2.13 The meeting took note that AMHS interconnection trials would be conducted between Argentina, Brazil, Paraguay and Peru.

2.14 Brazil informed that it would continue VoIP tests between Curitiba and Manaus, which would be completed in late April 2009.

3. **Suggested Action**

3.1 The Coordination Committee is invited to:

- a) take note of the information contained in this working paper;
- b) approve the report of the twelfth REDDIG Coordination Meeting; and
- c) review the status of implementation of the conclusions shown in **Appendix A** to this working paper.



| VALID RCC CONCLUSIONS AND THEIR STATUS OF IMPLEMENTATION | | | | |
|---|-----------------------|--|---------------|--|
| Conclusion | Title | Content | Status | Remarks |
| RCC 8/8 | REDDIG Administration | That, until such time that the institutional aspects related to the management of multinational systems for the provision of air navigation services are more clearly defined, the States agree that, for the next two years, starting 15 October 2005, the REDDIG will continue to be managed through the ICAO technical cooperation mechanism, as an extension of Regional Project RLA/03/901. | Valid | The REDDIG Administration has been extended until 31 December 2010. The Diplomatic Conference for the drafting and adoption of the final text of the Agreement for the Incorporation of the South American Air Navigation and Safety Organisation was held on 9-10 December in Brasilia, Brazil. In a final document, the meeting formulated three resolutions: the first one related to the signing and ratification of the Incorporation Agreement; the second one on the establishment of its headquarters; and the third one on ICAO support to facilitate the implementation of the organisation. |

Appendix A

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| VALID RCC CONCLUSIONS AND THEIR STATUS OF IMPLEMENTATION | | | | |
|---|---|---|---|---|
| Conclusion | Title | Content | Status | Remarks |
| RCC10/1 | Expediting logistics in REDDIG member States | <p>That, in order to expedite and do a better follow-up on the import/export of spare parts and the delivery/return of equipment for repair, the REDDIG member States:</p> <ul style="list-style-type: none">a) designate a person as administrative-logistics focal point and send this information to the ICAO South American Office by 30 April 2007, andb) investigate and study, together with the REDDIG Administration, the applicable mechanisms to substantially expedite the import/export of equipment and spare parts. | <ul style="list-style-type: none">a) Finalisedb) Valid | <p>All members of REDDIG have provided the name of their point of contact for administrative-logistic matters.</p> <p>There is still no effective mechanism to expedite the import/export of equipment and spare parts.</p> |
| RCC 11/5 | Deposit of cost-sharing contributions to Project RLA/03/901 | <p>That the REDDIG member States, as a matter of urgency, make the corresponding arrangements to deposit their cost-sharing dues to Project RLA/03/901 by 1 July 2008</p> | Partially finalised | <p>All the REDDIG member States have made their cost-sharing contributions corresponding to 2008, except Suriname.</p> |

| VALID RCC CONCLUSIONS AND THEIR STATUS OF IMPLEMENTATION | | | | |
|---|---|--|--|----------------|
| Conclusion | Title | Content | Status | Remarks |
| Conclusion RCC 12/1 | Actions to keep the REDDIG equipment operational in the coming years | <p>Since the existing REDDIG equipment meets the requirements of existing services and of those to be installed in the near future, and taking into account that MEMOTEC FRAD and Linkway MODEM will be discontinued, an appeal is made:</p> <ul style="list-style-type: none"> a) to keep the existing equipment that make up the REDDIG for an initial minimum period of three years; b) for the REDDIG project to purchase the spare parts for the MEMOTEC FRAD equipment shown in Appendix F to this agenda item by 30 July 2009; c) to purchase the Linkway MODEM spare parts listed in Appendix G to this agenda item by 2010; and d) for the REDDIG Administration to draft a plan to change completely the technology of the current REDDIG equipment, for implementation in a minimum period of three years starting in 2009, and that it be submitted to the RCC/13 meeting, taking into account the MEVA II/REDDIG interconnection. | <ul style="list-style-type: none"> a) Finalised b) Finalised c) Valid d) Valid | |

Appendix A

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| VALID RCC CONCLUSIONS AND THEIR STATUS OF IMPLEMENTATION | | | | |
|---|---|---|---------------------|----------------|
| Conclusion | Title | Content | Status | Remarks |
| Conclusion RCC 12/2 | Analyse the additional bandwidth requirement for the REDDIG | That the <i>Ad-hoc</i> Group made up by Argentina, Brazil and the REDDIG Administration study the bandwidth requirement in view of the implementation of new services in the REDDIG, and submit the results by 15 May 2009 so that the REDDIG Administration may begin, if necessary, coordinating with INTELSAT for reserving the additional satellite segment for 2010. | Valid | |
| Conclusion RCC 12/3 | Adoption of the actions foreseen for cases of default in payment, for Suriname | That, taking into account that the 2007 cost-sharing contributions of Suriname to Project RLA/03/901 are still pending, in case such contributions are not received before 1 July, 2009, the REDDIG Administration will apply the actions foreseen for cases of payment default. | Partially finalised | |
| RCC 12/4 | Deposit of cost-sharing contributions to Project RLA/03/901 | That the REDDIG member States, as a matter of urgency, make arrangements to deposit their cost-sharing contributions to Project RLA/03/901 before 1 July 2009. | Valid | |
| Conclusion RCC 12/5 | Revision of the budget for Project RLA/03/901 | That Revision M of the budget for Project RLA/03/901, shown in Appendix A to this part of the report, be approved. | Finalised | |