

INTERNATIONAL CIVIL AVIATION ORGANIZATION
South American Regional Office

REGIONAL PROJECT RLA/03/901
REDDIG SYSTEM MANAGEMENT AND SATELLITE SEGMENT ADMINISTRATION

TWELFTH REDDIG COORDINATION COMMITTEE MEETING (RCC/12)

(Lima, Peru, 9-10 March 2009)

Agenda

Item 1: Review of the report of the Eleventh Meeting of the REDDIG Coordination Committee

**REVIEW OF THE REPORT OF THE ELEVENTH MEETING OF THE REDDIG
COORDINATION COMMITTEE**

(Paper presented by the Secretariat)

SUMMARY

Under this Agenda Item, a review will be made to the report of the Eleventh Meeting of the REDDIG Coordination Committee, analyzing the status of conclusions formulated in same, as well as the status of conclusions still in force, formulated in previous coordination meetings.

Reference:

Report of the Eleventh Meeting of the REDDIG Coordination Committee, Lima, Peru, 5-6 May 2008.

1. Introduction

1.1 The eleventh meeting of the REDDIG Coordination Committee (RCC/11), was held in Lima, Peru, from 5 to 6 May 2008, with the participation of 11 States from the Region, 10 member States (Argentina, Brazil, Chile, Ecuador, Guyana, Paraguay, Peru, Trinidad and Tobago, Uruguay and Venezuela) and one non-member (Panama), totalling 22 participants, including ICAO Officers. The Meeting analyzed the report of the tenth coordination meeting RCC/10, the status of conclusions still in force, activities carried out, the programme of future activities of the project, the financial situation of the project, the project annual report and other matters.

1.2 **Appendix A** to this working paper presents a list containing the RCC's valid conclusions, and their status of implementation to date.

2. **Matters dealt with in the RCC/11**

Review of the Ninth Coordination Meeting

2.1 The Meeting reviewed the results of the previous meeting (RCC/10) carried out in Lima, Peru, from 5 to 7 March 2007, in which the following issues were analyzed: status of implementation of previous RCCs conclusions, the activities carried out; the 2007 programme of activities, the financial situation of the project, the project's annual report and other matters.

2.2 In addition, an analysis was made to the work pending for the implementation of the backup circuit, formulating Conclusion RCC 11/1 - *Action plans for the implementation of REDDIG pending backup circuits.*

2.3 The Meeting also took note of the progress made in the implementation of AMHS systems on IP networks in the SAM Region and, to this effect, considered the need that the Region count with an IP addressing plan. In this respect, Conclusion RCC 11/2 - *Actions for the ATN Task Force addressed to provide orientation to States presently implementing ATN applications based in IP protocol,* was formulated.

Report of activities carried out

2.4 Under this subject, the RCC/11 meeting was informed of the activities carried out since the last meeting, such as the operations in the Manaos and Ezeiza NCC, the preparation of a training plan, taking into account the level of qualification required for the technical personnel at the REDDIG nodes, obtained on the basis of replies to a survey prepared by the REDDIG Administration, the follow-up to the implementation activities for the interconnection of the MEVA II and REDDIG networks, the logistics operations and the spare parts management at the REDDIG nodes, the implementation of the new channels as consequence of the new AMHS systems implementation in the Region, and the results of the work carried out by the Task Force on Institutional Aspects regarding the constitution of a regional multinational organization (RMO) to consolidate, manage and implement multinational facilities/services.

Work programme for 2008

2.5 Under this agenda item, the Meeting approved the 2008 work programme, with the following activities: the agreement renewal with INTELSAT to provide satellite service, continuation of activities for the implementation of MEVA II/REDDIG interconnection, the REDDIG NCC and Management Centre alternate operation, the 2008 training programme, the holding of the third REDDIG technical-operational meeting, and the implementation of new services.

2.6 In addition, the Meeting agreed that, due to the high investment that the Linkway system hardware and software represented, a cost-benefit study should be carried out by the REDDIG Administrator, for its presentation at RCC/12 meeting. In this respect, Conclusion RCC 11/3 - *Cost-benefit research for software upgrading of Linkway system,* was formulated.

Financial situation of the project

2.7 Under this Agenda Item, the Meeting was informed of the obligations contracted by the project during 2007, as well as cost-sharing contributions situation. Also, the budgets for 2008, 2009 and 2010 were analyzed.

2.8 Three conclusions were formulated, Conclusion RCC 11/4 - *Activation of actions foreseen in procedure of cases of delayed deposits of cost-sharing contributions of Bolivia*, Conclusion 11/5 - *Deposit of cost-sharing contributions to RLA/03/901 project*, and Conclusion RCC 11/6 - *Revision of RLA/03/901 project budget*.

Project annual report

2.9 Under this Agenda Item, States members of the REDDIG evaluated the project annual report. The result of the evaluation was satisfactory. As regards its achievement, the high reliability of REDDIG, the implementation of new circuits (Asuncion-Ezeiza for AMHS and Maiquetia-Manaos for radar exchange and flight plan trials), the holding of a course in Bogota, Colombia, on IP technology and its use in aeronautical applications, were highlighted upon.

2.10 Among the main problems encountered, it can be mentioned that some States are not processing in due time the authorizations and administrative documents recommended by the REDDIG administration for the repair or replacement of the equipment and damaged spare parts, plus the lack of timely payment of the cost-sharing contributions payment by some of the REDDIG member States.

Other matters

2.11 There were no subjects discussed under this Agenda Item.

3. **Suggested action**

3.1 The Coordination Committee is invited to:

- a) take due note of the information included in this working paper;
- b) approve the report of the Eleventh Meeting of the REDDIG Coordination Committee; and
- c) analyze the status of implementation of conclusions being presented in **Appendix A** to this working paper.

APPENDIX A

CONCLUSIONS IN FORCE ADOPTED BY THE RCC AND STATUS OF IMPLEMENTATION				
Conclusion	Title	Content	Status	Remarks
RCC 6/3	Pending works from some States regarding the backup network and SBAS augmentation for CSTB	<p>That, as matter of urgency:</p> <p>a) to facilitate the implementation of the backup network, Bolivia, Chile, Ecuador, Guyana, Paraguay, Suriname and Venezuela complete, as soon as possible, the communication installations indicated in Appendix A to the report of this agenda item, and</p> <p>b) Chile and Colombia complete, as soon as possible, the communications links between the CSTB installations and the corresponding REDDIG node.</p>	<p>a) Valid Replaced by conclusion RCC 11/1</p> <p>b) Completed</p>	
RCC 8/2	Replacement of the hardware and upgrading of the software of the Linkway NCC/NMS Frame Relay equipment of the REDDIG	<p>a) That the REDDIG Administration prepare a plan for the replacement of the hardware and software of the equipment Linkway NCC/NMS Frame Relay & IP, and that this be distributed to the Status members of the REDDIG for consideration and comments.</p> <p>b) That this plan be included within the budget of year 2006, which should be submitted for the consideration and approval of the next meeting of the Coordination Committee of the REDDIG.</p>	<p>Valid Replaced by Conclusion RCC 11/3</p>	

CONCLUSIONS IN FORCE ADOPTED BY THE RCC AND STATUS OF IMPLEMENTATION				
Conclusion	Title	Content	Status	Remarks
RCC 8/4	Annual training programmes	That the REDDIG Administration, in order to warranty an homogeneous training of personnel in charge of maintenance of each REDDIG node, regarding technology advances of equipment conforming the REDDIG, present to the next REDDIG Coordination Meeting a training program that includes the kind of courses necessary, as well as the cost for carrying out these courses to be charged to the project.	Valid Completed	A 2008-2010 training plan was presented during RCC/11
RCC 8/8	REDDIG Administration	That, while the institutional aspects related to the administration of multinational systems for the provision of air navigation services can be more clearly defined, the States agree that the REDDIG administration for the following two years, starting 15 October 2005, continue to be under the mechanism of ICAO technical cooperation, as an extension of regional project RLA/03/901.	Valid	REDDIG Administration has been prolonged up to 31 December 2010, date in which it is expected that the OMR is implemented.
RCC 9/1	Implementation of pending circuits to complete the REDDIG backup network	That Chile, Guyana, Paraguay, Suriname and Venezuela implement, as a matter of urgency, the corresponding circuits necessary to complete the REDDIG earth backup network.	Valid Replaced by Conclusion RCC 11/1	

CONCLUSIONS IN FORCE ADOPTED BY THE RCC AND STATUS OF IMPLEMENTATION				
Conclusion	Title	Content	Status	Remarks
RCC 9/2	System for the definition and control of REDDIG NCC technical personnel qualifications	<p>That, with the aim of improving the quality of the services provided to the REDDIG Manaus and Ezeiza management nodes,</p> <p>The REDDIG Administrator develops and implements, before 30 April 2006, a system for the definition and control of qualifications of NCC human resources, on the basis of appropriate education, formation, abilities and experience.</p> <p>The administrations of Brazil and Argentina will make all efforts possible to ensure that appropriate education is provided or take other actions to satisfy the needs for proper qualification.</p>	Partially Completed	A system for definition and control of competences of NCC human resources has been elaborated and implemented, based on education, training, abilities and appropriate experience, plus training has been provided to meet NCC qualification needs.
RCC 9/5	Deposit of RLA/03/901 project cost-sharing contributions	That REDDIG member States carry out as soon as possible corresponding arrangements for the deposit of their cost-sharing contributions to RLA/03/901 project before 1 July 2006.	Valid Completed	States having pending contributions at indicated date have made respective payments.
RCC 9/7	Regional IP Addressing Plan	That the ICAO Regional Office, in coordination with the activities being carried out by ICAO and GREPECAS CNS Committee ATM/CNS Subgroup, study and propose to the States member of the REDDIG a Regional IP Addressing Plan that permits the ordered regional connection of fix aeronautical services (AMHC/AIDC) as well as others that may appear that use this network platform.	Valid replaced by Conclusion RCC 11/2	

CONCLUSIONS IN FORCE ADOPTED BY THE RCC AND STATUS OF IMPLEMENTATION				
Conclusion	Title	Content	Status	Remarks
RCC 10/1	Expedite logistic processes on REDDIG State members	<p>That, in order to expedite and to facilitate follow up of spare parts import/export as well as the shipment and return of equipment for repair, the REDDIG States members:</p> <p>a) name a person as administrative-logistic focal point, and send this information to the ICAO South American Office before 30 April 2007, and</p> <p>b) investigate and study, jointly with the REDDIG Administration, mechanisms that could be applicable in order to make substantially more expedite the processes of spares and equipment import/export.</p>	<p>a) Valid Completed</p> <p>b) Valid</p>	<p>All the REDDIG members have informed the name of the person acting as focal point for logistic and administrative actions.</p> <p>As of to date, no effective mechanism for speeding up import/export processes of equipment and spares has been implemented.</p>
RCC 10/2	Creation of an Ad-Hoc group intended to prepare an integral training plan for REDDIG nodes technical personnel	<p>Argentina, Brazil, Chile, Peru and Venezuela will conform an ad-hoc group to prepare an integral training plan for REDDIG nodes technical personnel, in accordance with the terms of reference presented in Appendix B to this part of the report.</p>	<p>Valid Completed</p>	<p>An Ad Hoc Group was established during RCC/11, who prepared in accordance with the terms of reference, an integral training plan for the REDDIG nodes technical personnel</p>
RCC 10/3	Extension of the duration of project RLA/03/901	<p>That ICAO prepares for the consideration of the next REDDIG Coordination Meeting a budget revision of the project in order to extend its duration up to 31 December 2010.</p> <p>In case the MRO is conformed before this date, the REDDIG State members could request ICAO the transference of project RLA/03/901 resources to the MRO.</p>	<p>Valid Completed</p>	<p>The project's budget was revised to extend until 2010 during RCC/11 meeting</p>

CONCLUSIONS IN FORCE ADOPTED BY THE RCC AND STATUS OF IMPLEMENTATION				
Conclusion	Title	Content	Status	Remarks
RCC 10/4	Hiring of a network specialized technical support	That ICAO proceeds as soon as possible to hire in Manaus network specialized support technician with the post definitions described on Appendix B to this part of the report.	Valid Completed	Information was provided during RCC/11 that the network technical specialist would not be hired to work on a daily basis, but according to necessity
RCC 10/6	Deposit of RLA/03/901 project cost-sharing contributions	That REDDIG member States carry out as soon as possible corresponding arrangements for the deposit of their cost-sharing contributions to RLA/03/901 project before 1 July 2007.	Valid	all REDDIG member States have deposited their cost-sharing contributions corresponding to 2007.
RCC 11/1	Action plans for the implementation of REDDIG pending backup circuits	That: a) The aeronautical administrations of Bolivia, Chile, Ecuador ,Guyana, French Guyana, Paraguay, Suriname, Venezuela and Trinidad and Tobago study the possible technical solution to implement the backup circuit that the State could implement, taking into account local communications services suppliers that could provide and elaborate an action plan that would be sent to the ICAO Lima Regional Office before 30 July 2008; b) the REDDIG Administrator review the technical solution and the action plan for its implementation in the REDDIG; c) and, in case a State does not send the referred information, the REDDIG Administration would consider that the State had not found a possible technical solution and, therefore, it could not have a backup circuit for the REDDIG	Completed	Only Chile, French Guiana and Trinidad & Tobago have informed on their backup circuit implementation plans in the event of a failure.

CONCLUSIONS IN FORCE ADOPTED BY THE RCC AND STATUS OF IMPLEMENTATION				
Conclusion	Title	Content	Status	Remarks
RCC 11/2	Actions for the ATN Task Force addressed to provide orientation to States presently implementing ATN applications based in IP protocol	That the CNS Committee ATN Task Force of the ATM/CNS GREPECAS Subgroup, in its forthcoming meeting, study the urgent elaboration of orientation guideline for the implementation of ATN addresses based on IP and establish an initial addressing regional IP plan.	Completed	A request was made to the ATN Task Force, who elaborated in initial regional IP addressing plan
RCC 11/3	Cost-benefit research for software upgrading of Linkway system	That, REDDIG Administrator present in next meeting of REDDIG coordination committee, a working paper containing a cost-benefit research for the implementation of software upgrading of Linkway system.	Valid	The cost/benefit study for improvements in the Linkway system will be presented at RCC/12 meeting
RCC 11/4	Activation of actions foreseen in procedure of cases of delayed deposits of cost-sharing contributions of Bolivia	Considering that Bolivia still has pending cost-sharing contributions to project RLA/03/901 for year 2007, in case that the deposit of these contributions is not received before 1 July 2008, the REDDIG Administration would proceed to the application of the actions foreseen for cases of delayed deposit of cost-sharing contributions.	Completed	Bolivia made payment of pending contributions; therefore, no actions foreseen for lack of payment cases were applied
RCC 11/5	Deposit of cost-sharing contributions to RLA/03/901 project	That REDDIG member States make as soon as possible corresponding arrangements for the deposit of their cost-sharing contributions to RLA/03/901 project before 1 July 2008.	Partially completed	All REDDIG member States have made their 2008 cost-sharing contribution deposits, with the exception of Suriname and Guyana

CONCLUSIONS IN FORCE ADOPTED BY THE RCC AND STATUS OF IMPLEMENTATION				
Conclusion	Title	Content	Status	Remarks
RCC 11/6	Revision of RLA/03/901 project budget	The budget established as RLA/03/901 project Revision L is approved, as presented in Appendix 4A to this part of the report.	Completed	RCC/11 meeting approved the RLA/03/901 project budget, through Revision L

- END -