



International Civil Aviation Organization
South American Regional Office - Regional Project RLA/03/901
REDDIG Management System and Satellite Segment Administration
Seventeenth Meeting of the Coordination Committee (RCC/17)
Lima, Peru, 24 to 26 March 2014

Agenda Item 2: Review of the report of the Sixteenth Meeting of the REDDIG Coordination Committee

(Working paper presented by the Secretariat)

SUMMARY	
Under this Agenda Item, the REDDIG Coordination Committee will examine the report of its Sixteenth Meeting, including the status of the conclusions therein formulated, as well as the status of conclusions still in force from previous coordination meetings.	
Reference	
Report of the Sixteenth Meeting of the REDDIG Coordination Committee (RCC/16), Lima, Peru, 18-20 march 2013.	
ICAO Strategic Objective:	<i>A - Safety</i> <i>B – Air navigation capacity and efficiency</i>

1. Introduction

1.1 The Sixteenth meeting of the REDDIG Coordination Committee (RCC/16) was held in Lima, Peru, from 18 to 20 March 2013, with the assistance of 9 member States (Argentina, Bolivia, Brazil, Chile, Colombia, Paraguay, Peru, Trinidad & Tobago, and Uruguay), making a total of 17 participants, including ICAO officers.

1.2 The list of valid conclusions adopted by the RCC and their implementation status to date is included in the **Appendix** to this paper.

2. Matters addressed by the RCC/16 meeting

Approval of the agenda and of the meeting schedule

2.1 RCC/16 meeting dealt with the following topics: Approval of the agenda and of the meeting schedule, Review of the report of the Fifteenth Meeting of the Coordination Committee, Report of the activities carried out to date since the last meeting of the Coordination Committee, Follow-up to REDDIG II implementation activities, Work plan for year 2013, Financial situation of the project and approval of the budget, Annual project evaluation, and Other matters

Review of the report of the Fifteenth Meeting of the Coordination Committee

2.2 Under this Agenda Item, the meeting reviewed and approved the report of the Fifteenth Meeting of the Coordination Committee (RCC/15), held in Lima, Peru, from 15 to 17 August 2012.

Report of the activities carried out to date since the last meeting of the Coordination Committee

2.3 The meeting analyzed the activities carried out in 2012 which had been approved by RCC/15. The activities carried out, over which the Meeting was informed upon and that are enumerated below, were:

- a) Follow-up to MEVA II/REDDIG interconnection activities;
- b) Implementation of new ATS speech circuits;
- c) Training programme for 2012;
- d) Alternation of the operation of the NCC and the management centre;
- e) Implementation of new services;
- f) Follow up on implementation of the new SAM digital network (REDDIG II) activities; and
- g) REDDIG logistics operations and spare parts management.

Follow-up to REDDIG II implementation activities

2.4 Under this Agenda Item, the meeting was informed of the results of the negotiation process between ICAO and the INEO Engineering and Level 3 Peru Consortium (winner of the REDDIG II bidding process), the date when the contract between both would be signed (Contract 22501200), the manner in which the contract would be carried out (in two phases: Phase 1 – Evaluation and approval of REDDIG II SDD and Phase 2 – REDDIG II implementation), updating of the list of focal points, and the tentative programme of activities for REDDIG II implementation.

2.5 Conclusion RCC/16-1 - *Support of the civil aviation authorities to the focal points nominated for the implementation of REDDIG II*, and Conclusion RCC/16-2 - *Functions of the REDDIG II focal points*, were formulated.

Work plan for year 2013

2.6 The meeting analysed the following main activities scheduled for 2013:

- a) REDDIG II implementation process;
- b) Implementation of new services; and
- c) 2013 training programme.

Financial situation of the project and approval of the budget

2.7 Under this Agenda Item, the meeting took note of the expenses incurred by Project RLA/03/901 and the situation of cost-sharing contributions in 2012. In addition, it analysed the extension of the project to cover REDDIG II implementation, proceeding to approve RLA/03/901 project document substantive Revision Q. Finally, it approved the 2013 budget.

2.8 Conclusion RCC 16/3 - *Payment of cost sharing contributions to Project RLA/03/901* and Conclusion RCC 16/4 - *Approval of the budget of the Revision "R" of Project RLA/03/901*, were formulated.

Annual project evaluation

2.9 Under this Agenda Item, the REDDIG member States evaluated the 2012 annual project report. The evaluation produced very satisfactory results. Regarding the main achievements of the project in relation to the expected results, the States listed the following: High availability of the REDDIG; effective and efficient implementation of new circuits; and successful completion of the REDDIG II bidding process. With respect to the main issues affecting the achievement of the expected results, and how they should be addressed, the States pointed out the following: Delays in customs for the clearance of equipment and spare parts in the States; equipment obsolescence; and overdue payment of cost-sharing contributions for project implementation and of the extraordinary quota for the REDDIG II.

2.10 With regard to this subject, the meeting formulated Conclusion RCC/16-5 - *Customs clearance updates*, with the aim that REDDIG member States update the information concerning domestic customs clearance requirements and send it to the Project Administration by 31 May 2013, with a view to expediting the import of equipment and spare parts for the REDDIG Project.

Other matters

2.11 The Meeting was informed on the new website designed in order that REDDIG member States can find in one single page all information pertaining to Project RLA/03/901 - REDDIG Management and Satellite Segment Administration System. The site's url is: <http://www1.lima.icao.int/reddig/>. In this respect, Conclusion RCC/16-6 - *New Project RLA/03/901 website* was formulated.

2.12 Also, under this Agenda Item, the meeting was informed of an interference in the REDDIG node in Lima (September 2012) by an IMT system (WIMAX - broadband internet wireless transmission service transmitting in the 2.3 to 3.5 Ghz band), keeping the Lima node out of service for five days. The interference was solved with the installation of a filter in the REDDIG node.

2.13 In this regard, REDDIG member States were urged to register and document any interferences at the REDDIG nodes [Fixed Satellite Service (FSS)] with International Mobile Telecommunications (IMT) system and inform of them to the local entity administrating the radio frequency spectrum, as well as the REDDIG Administration, and coordinate with the local radio frequency spectrum administration the protection of the 3.4 to 4.2 Ghz band to ensure continuous availability of the aeronautical services at this frequency band, formulating Conclusion RCC/16-7 - *REDDIG interference with IMT system*.

3. **Suggested action**

3.1 The Coordination Committee is invited to:

- a) Note the information in this paper;
- b) Approve the report of the sixteenth meeting of REDDIG Coordination Committee; and
- c) Review the status of implementation of the conclusions presented in the Appendix to this paper.

APPENDIX

CONCLUSIONS ADOPTED BY THE REDDIG COORDINATION MEETINGS THAT REMAIN VALID AND THEIR STATUS OF IMPLEMENTATION

No.	Title	Content	Status	Remarks
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	Whereas the establishment of the South American Air Navigation and Safety Organization, multinational system with ability to manage the REDDIG continues undefined, RCC/15 meeting (Lima, Peru, 15-17 August 2012) approved the RLA/03/901 project document substantive revision, extending the management of REDDIG until 2018.
14/1	Implementation of new ATS speech circuits in REDDIG	That, with the aim of increasing the speech communications availability currently carried out through VHF –FM links at the ATS units located in the Brazilian borders: a) The aeronautical administrations of Argentina, Bolivia, Brazil, Colombia and Paraguay prepare an action plan for the implementation of local links between the border ATS unit and the corresponding REDDIG node, to transport the ATS speech circuits indicated under this Agenda Item, paragraph 3.1, and that it be sent to the ICAO Regional Office by 30 June 2011; and b) The REDDIG administration proceeds with the configuration of REDDIG for the inclusion of these circuits.	Valid	The following circuits have been implemented: Tabatinga (Brazil) –Leticia (Colombia) Corumbá (Brasil) - Puerto Suarez (Bolivia) Foz do Iguaçu (Brasil) - Cataratas (Argentina) Uruguaiiana (Brasil) - Paso de los Libres (Argentina) The installation of the Foz do Iguaçu (Brazil) - Guaraní (Paraguay) has started, but the Paraguayan side is pending Likewise, the implementation of the Guajaramirim (Brazil) – Guayaramirín (Bolivia) is still pending

No.	Title	Content	Status	Remarks
15/1	Operational traffic at the MEVA II/REDDIG interconnection AFTN circuits	<p>That,</p> <p>a) the aeronautical administrations of Colombia and Venezuela coordinate with the respective MEVA II member States for the completion, before 30 September 2012, of the AFTN circuit operation through the MEVA II/REDDIG interconnection circuits indicated in paragraph 3.3 of this Agenda Item, since said circuits are currently being paid to the MEVA II service provider; and</p> <p>b) Brazil continue coordinations with United States with the aim of completing the trials and starting the operation of the AFTN circuit, by 30 October 2012.</p>	Valid	The AFTN circuit between Brazil and United States is pending
15/2	Approval of the substantive project revision document "Q" to Project RLA/03/901	<p>That, in order to update the RLA/03/901 project document REDDIG Management System and Satellite Segment Administration, so as to include the additional activities executed and a new immediate objective related to the procurement, installation, commissioning and maintenance of the REDDIG II digital network, the Fifteenth Meeting of the Project Coordination Committee approves the proposal accepts of the substantive project revision document and budget "Q" proposed by the Secretariat, and requests its approval by ICAO and further transmission to member States if possible not later than 24 August 2012 for their signature. The revised document duly signed by all parties should be available to all concerned by 28 September 2012.</p>	Completed	All REDDIG member States have approved RLA/03/901 project document, revision Q

No.	Title	Content	Status	Remarks
15/4	Payment of cost sharing contributions to Project RLA/03/901	That, a) REDDIG member States that have not yet deposited their cost-sharing contributions to RLA/03/901 Project for the years 2011 and 2012, are encouraged to do so as soon as possible to allow the normal development of project activities, and b) Likewise, States that have not yet responded to letters requesting to deposit the funds required to finance the REDDIG II, are urged to do so as soon as possible during the second half of 2012, so that ICAO can sign the contract with the company winning the tender.	Valid	a) Suriname has not yet cancelled its 2012 quota b) All States have made the contribution pertaining to the quota for REDDIG II purchasing
16/1	Support of the civil aviation authorities to the focal points nominated for the implementation of REDDIG II	That the REDDIG member States Civil Aviation Authorities provide the focal point(s) nominated for the implementation of REDDIG II, all necessary facilities for the conduct of all activities required for their functions.	Valid	Taking into consideration the importance of this conclusion for the successful implementation of REDDIG II, the Thirteenth Meeting of Civil Aviation Authorities of the SAM Region (RAAC/13) (Bogota, Colombia, 4-6 December 2013) formulated Conclusion RAAC/13-7 - <i>Facilitating active participation in all REDDIG II implementation activities</i>

No.	Title	Content	Status	Remarks
16/2	Functions of the REDDIG II focal points	<p>That the REDDIG member States civil aviation authorities take into account the following functions required from the focal point(s) nominated by their administration:</p> <ul style="list-style-type: none"> a) Participate in follow-up meetings regarding REDDIG II implementation; b) Assist to REDDIG II to courses scheduled for REDDIG II; c) Review and approve the SDD and other documents provided by the bid winning company; d) Obtain frequencies licenses from the entities in charge of the radio electrical frequency spectrum administration; e) Arrange for the clearance of equipment from customs; f) Follow-up on the activities regarding REDDIG II installations; and g) Participate in provisional and final acceptance tests and in the signature of the respective minutes. 	Valid	With regard to item c), the focal points have, together with the REDDIG Administration, reviewed and approved the SDD (December 2013), thus completing Phase 1 of the REDDIG II implementation contract
16/3	Payment of cost sharing contributions to Project RLA/03/901	<p>That:</p> <ul style="list-style-type: none"> a) Argentina, Suriname and Trinidad y Tobago make the deposit of cost-sharing contributions of Project RLA/03/901 corresponding to year 2012; and b) Argentina, Bolivia, Chile, Paraguay, Suriname and Venezuela deposit as soon as possible the REDDIG II extraordinary quota, in order to satisfactorily finalize the process of hiring the REDDIG II and ensure continued availability of the network. 	Valid	<ul style="list-style-type: none"> a) Suriname has not yet cancelled its 2012 quota b) All REDDIG member States have deposited the extraordinary quota pertaining to REDDIG II implementation
16/4	Approval of the budget of the Revision "R" of Project RLA/03/901	That the Sixteenth Meeting of the Coordination Committee of Project RLA/03/901 approve the Budget of Revision "R" of Project RLA/03/901, as shown in the Appendix B to the Report on Agenda Item 6.	Completed	RCC/16 approved RLA/03/901 project document, Revision R

No.	Title	Content	Status	Remarks
16/5	Customs clearance updatings	That Project RLA/03/901 member States update the information concerning domestic customs clearance requirements and send it to the Project Administration by 31 May 2013, with a view to expediting the import of equipment and spare parts for the REDDIG Project.	Valid	The Regional Office has not received, to date, the information required. It is expected that States inform at RCC/17 meeting on the possible updatings carried out.
16/6	New Project RLA/03/901 website	That the REDDIG member States examine project RLA/03/901 - REDDIG Management and Satellite Segment Administration System site http://www1.lima.icao.int/reddig/ and contents, and submit their comments in this regard to the ICAO SAM Regional Office no later than 15 May 2013.	Completed	States have taken note of the Conclusion and their focal points have started requesting their usernames and passwords to access the website
16/7	REDDIG interference with IMT system	That REDDIG member States register and document any interferences at the REDDIG nodes [Fixed Satellite Service (FSS)] with International Mobile Telecommunications (IMT) system and inform of them to the local entity administrating the radio frequency spectrum, as well as the REDDIG Administration, and coordinate with the local radio frequency spectrum administration the protection of the 3.4 to 4.2 Ghz band to ensure continuous availability of the aeronautical services at this frequency band.	Valid	REDDIG member States will inform on the interference occurrences, and the actions carried out in this regard