



Agenda Item 2: Review of the Report of the Twenty-fourth Meeting of the Coordination Committee (RCC/24) and the Report of the Twenty-fifth Extraordinary Meeting of the Coordination Committee (RCC/25)

**REVIEW OF THE REPORTS OF THE LAST MEETINGS FROM
THE REDDIG COORDINATION COMMITTEE**

(Presented by the Secretariat)

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| SUMMARY | |
| <p>Under this agenda item, a review of the Report of the Twenty-fourth Meeting of the Coordination Committee (RCC/24) and the Report of the Twenty-fifth Extraordinary Meeting of the Coordination Committee (RCC/25) will be made by analyzing the status of the conclusions made therein, as well as the status of the still valid conclusions made at previous coordination committee meetings.</p> | |
| REFERENCES | |
| <ul style="list-style-type: none">• Twenty-fourth Meeting of the Coordination Committee (RCC/24) (Lima, Peru, 03 to 06 March 2020); and• Twenty-fifth Extraordinary Meeting of the Coordination Committee (RCC/25) (Teleconference, 16 October 2020). | |
| ICAO Strategic Objectives: | <i>A – Safety</i> <i>B - Air navigation capacity and efficiency</i> |

1. Introduction

1.1 The Twenty-fourth Meeting of the REDDIG Coordination Committee (RCC/24) was held in Lima, Peru, from 03 to 06 March 2020. The meeting was attended by 10 Member States (Bolivia, Brazil, Chile, Colombia, France, Guyana, Paraguay, Peru, Uruguay and Venezuela), 1 observer State of the North America, Central America and the Caribbean Region (United States), 1 international agency (COCESNA) and 1 company from the industry (CenturyLink Peru), with a total of 24 participants, including ICAO specialists.

1.2 The Twenty-fifth (Extraordinary) meeting of the REDDIG Coordination Committee (RCC/25) was held by teleconference on 16 October 2020. The meeting was attended by representatives of 12 Member States of the REDDIG Coordination Committee (Argentina, Brazil, Chile, Colombia, Ecuador, Guyana, Paraguay, Peru, Suriname, Trinidad & Tobago, Uruguay and Venezuela), and ICAO Officers, totaling 25 people.

1.3 The **Appendix** to this study note presents the list of valid conclusions adopted by the RCCs and their status of implementation to date.

2. Items dealt at the RCC/24 meeting

2.1 The RCC/24 meeting addressed the following items: Review of the report of the Twenty-second and Twenty-third Meetings of the Coordination Committee, Report of activities carried out to date since the last meeting of the Coordination Committee, Work Plan for the year 2020, Project financial situation and adoption of the budget for 2020, Annual project evaluation, and other issues.

Review of the report of the Twenty-Second Meeting of the Coordination Committee

2.2 Under this agenda item, the Meeting analyzed and approved the report of the Twenty-second Meeting of the REDDIG Coordination Committee (RCC/22) held in Lima, Peru, from 05 to 07 March 2019 and was attended by 9 Member States (Bolivia, Brazil, Chile, Guyana, Paraguay, Peru, Trinidad and Tobago, Uruguay and Venezuela), with a total of 16 participants, including ICAO specialists.

2.3 The RCC/22 Meeting reviewed the report of the Twenty-first Meeting of the REDDIG Coordination Committee (RCC/21), Report of activities carried out to date since the last meeting of the Coordination Committee, Work Plan for 2019, Project Financial Situation and Budget Approval for 2020, Annual Project Evaluation, and Other Issues.

2.4 The following conclusions were made in the RCC/22:

- RCC/22-1** Technical visits from the REDDIG Administrator to network nodes;
- RCC/22-2** Training on technological tools for the analysis of voice and data applications transported in REDDIG;
- RCC/22-3** Study for replacement of REDDIG II connectivity equipment and IOS upgrade of routers used in the network;
- RCC/22-4** Acquisition of fire-cutting equipment (firewall) for REDDIG II; and
- RCC/22-5** Delay in cost-sharing contributions to the RLA/03/901 – Argentina and Suriname project.

2.5 The RCC/22 Meeting reviewed the valid conclusions and, in this regard, considered that Conclusions 8-8 and 19-1 would remain valid and Conclusions 19-3, 20-1, 21-1 and 21-2 would be finalized.

Review of the report of the Twenty-third (Extraordinary) Meeting of the Coordination Committee

2.6 The RCC/23 (Extraordinary) Meeting was held on August 21, 2019, through a teleconference, with the participation of representatives from 12 Member States (Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, France, Guyana, Paraguay, Peru, Uruguay and Venezuela), 2 non-member States (United States and Panama), one Organization (COCESNA), REDDIG MPLS provider (CenturyLink) and ICAO Officials, totaling 39 people.

2.7 The RCC/23 Meeting addressed the following issues: Proposal to add additional nodes to the REDDIG II MPLS network, administrative arrangements, technical aspects and other issues.

2.8 The RCC/23 made the following conclusion:

- RCC/23-1** Implementation of additional terrestrial network nodes (MPLS) of REDDIG II

2.9 By analyzing Conclusions 22-6 and 22-8, the Meeting considered them finalized.

2.10 Conclusions 8-8, 19/1, 22-1, 22-2, 22-3, 22-4, 22-5, 22-7 and 23-1 were considered valid; 6 conclusions made in the RCC/24 were added.

Report of activities to date until the RCC/24

2.11 During the RCC/24, the WP/03 *Report on activities to date since the last meetings of the Coordination Committee* was presented by the Secretariat with the following issues/activities:

- a) REDDIG Training Program:
 - Recurrent on Operation and Maintenance of REDDIG II;
 - Seminar/workshop on basic concepts of services provided by REDDIG;
 - On the Job Training in Cayenne and Ezeiza; and
 - Workshop on instruments for measurements on RF equipment for NCC Manaus personnel.

- b) Preventive Maintenance Program:
 - Visit of the Cayenne and Ezeiza nodes.

- c) Operation of REDDIG II and analysis of the implementation of new services:
 - Surveillance data exchange;
 - Technical-Operational Meeting of REDDIG II (RTO/8);
 - New Ezeiza REDDIG node;
 - Transfer of REDDIG node from Bogota;
 - Purchase of spare parts for REDDIG;
 - Logistics aspects of REDDIG;
 - Additional Earth Network Nodes (MPLS); And
 - New Process for the Recruitment of MPLS Service.

Work plan for the year 2020

2.12 Under this agenda item, the RCC/24 has dealt with the operation of REDDIG II and the analysis of the implementation of new services, activities and new services in the MEVA III/ REDDIG II interconnection and the 2020 Training Programme; making 4 conclusions:

- RCC/24-1** Procedure to repair damaged equipment within a reasonable time;
- RCC/24-2** Conformation of REDDIG III Ad-hoc Group;
- RCC/24-3** Interconnection of regional IP networks; and
- RCC/24-4** Contract Extension of contract n° 22501528 MEVA III – REDDIG II interconnection.

Financial situation of the project

2.13 Under this agenda item, the Meeting received information on the project's finances and the revision of the project budget with the WP/05 – *Financial status of the project and approval of the 2020 budget* submitted by the Secretariat. The Project spent **USD 1,087,534** in 2019 and a total of **16,428,886** from 2003 to 2019.

2.14 Two conclusions were also made, under this agenda item:

- RCC/24-5** Delinquency procedure for cost-sharing contributions to the RLA/03/901 project; and
- RCC/24-6** Approval of the Rev "U" of the Regional Project RLA/03/901 budget.

Annual project evaluation

2.15 The survey on the 2019 management indicators and results was answered by Bolivia, Brazil, Chile, Ecuador, France, Guyana, Paraguay, Peru, Uruguay and Venezuela whose comments and ratings shown an average of 4.5 points out of a maximum of 5 set on the rating scale, indicating that this score assumes that it "exceeds the requirements", with respect to the programme of activities implemented in 2019.

3. Items dealt in the RCC/25 (Extraordinary) Meeting

3.1 The Twenty-Fifth (Extraordinary) Meeting of the Coordination Committee of Project RLA/03/901, REDDIG Management System and Satellite Segment Administration, was held through a teleconference (Zoom), on 16 October 2020.

3.2 The meeting was attended by representatives of 12 Member States of the REDDIG Coordination Committee (Argentina, Brazil, Chile, Colombia, Ecuador, Guyana, Paraguay, Peru, Suriname, Trinidad & Tobago, Uruguay and Venezuela), and ICAO Officers, totaling 25 people.

Actions to be taken on the delinquency of cost-sharing contributions

3.3 Under this agenda item, the Meeting noted that Argentina (EANA) reported that it had canceled all outstanding contributions, being up-to-date with its contributions to the project.

3.4 In addition, the Meeting noted that the Director of the Regional Office had a conversation with the Minister of Transport, Communication and Tourism of Suriname, Mr. Albert Jubithana, who expressed his commitment to the project, his concern about the delay in contributions and the impact of the service, informing that they were carrying out the necessary coordination's with their Ministry of Economy to resolve the situation. The representative of Suriname then reiterated the above and stated that the situation was expected to be resolved by the end of October or within a month.

3.5 The following conclusion was made during the (Extraordinary) RCC/25:

- RCC/25-1** Outstanding Cost-sharing Contributions to Project RLA/03/901

Other matters

3.6 The Meeting took note of information related to the relocation of transponder and frequencies of REDDIG II VSAT stations, and stressed the importance of notifying national authorities that manage and administer spectrum of frequency change. In relation to the parameters used, it was noted that these are

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| Satellite | Intelsat 14/315 |
| Transponder | A38CV/A38CV |
| Beam | AMCV/AMCV |
| Polarization | V/V |
| Lease Assignment | 6329.6/4104.6 – 6338.4/4113.4 |
| Lease Resource | 4.4 MHz |

3.7 Finally, it was reported that two States had expressed their interest in the additional node of AIREON's REDDIG II, so the following conclusion was stated RCC23-01 *Implementation of additional nodes of the REDDI II Terrestrial Network (MPLS)*. The implementation of this node will not incur any additional costs for REDDIG or its Member States and will allow a reduction in network usage costs in the States that wish to implement satellite ADS-B.

4. Suggested actions

4.1 The Coordination Committee is invited to:

- a) Take note of the information contained in this working paper;
- b) Approve the report of the Twenty-fourth Meeting of the Coordination Committee and Twenty-fifth (Extraordinary) Meeting of the Coordination Committee; and
- c) Analyse the status of implementation of the conclusions presented as an **Appendix** to this working 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 | Taking into account that the establishment of the South American Air Navigation and Safety Organization, a multinational system with capacity to manage the REDDIG, continues undefined, the RCC/20 meeting (Lima, Peru, 21-23 March 2017) approved Project RLA/03/901 S revision document, extending the management of REDDIG until 2023. |
| 19-1 | Suriname cost-sharing contributions payment schedule | That, Suriname, with the aim of complying with full payment of its 2012 to 2016 cost-sharing contributions, present a payment schedule in this regard, in order to avoid the application of the payment delay procedure defined by the ICAO SAM Regional Office in letters SA5033 and SA5192 of 21 January and 7 March 2016, respectively. | Completed | Suriname presented a payment schedule and made the following payments: July 2016: USD 80,000 March 2017: USD 80,000 No payment was made in 2018. Therefore, its debt amounts to USD 185,174.00, aside from the 2019 fee. |
| 22-1 | Technical visits by the REDDIG Administrator to the network nodes | That the Secretariat: a) Make the necessary arrangements for the REDDIG Administrator to visit at least two network nodes per year. | Valid | Planning for 2020: Guayaquil and Piarco |
| 22-2 | Training in technological tools for analysing voice and data applications carried over REDDIG | That the Secretariat: a) At the request of REDDIG member States, organise training courses on the use of tools for analysing information (voice and data) carried over REDDIG. | Valid | A first training course was offered during the RTO/8 meeting (Santiago, Chile), and will be repeated at the RTO/9 meeting. |

| No. | Title | Content | Status | Remarks |
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| 22-3 | Study for replacing REDDIG II connectivity equipment and updating the IOS of network routers | That the REDDIG II Administrator: a) Coordinate the conduction of a study to replace connectivity equipment, mainly the NETGEAR, and to update the IOS of network routers. | Valid | All IOS of the network routers were updated in 2019. Trials on the use of CISCO switches to replace Netgear switches are scheduled for 2020 in the Curitiba and Asuncion nodes. |
| 22-4 | Acquisition of firewall equipment for REDDIG II | That the Secretariat: a) At the request of REDDIG member States, and together with the ICAO TCB, purchase firewall equipment for REDDIG II; b) The initial budget assigned for this acquisition would be USD 375,000.00. | Valid | The bidding process is in the final evaluation phase. |
| 22-5 | Delays in cost-sharing contributions to Project RLA/03/901—Argentina and Suriname | That the Secretariat: a) Take action as necessary to inform Argentina and Suriname on the need to comply with the payment of the REDDIG quotas, so that the Project may have the necessary funds network management; and b) Among the actions to carry out, consider sending a letter to this effect, or making a high level visit to the State. | Completed | Letters have been sent to Argentina (SA5064 dated 24/01/19 and SA5724 dated 03/11/2019) and Suriname (SA5182 dated 13/03/19 and SA5730 dated 04/11/19). Argentina has communicated with ANAC and EANA by e-mail and teleconference regarding REDDIG management, still undefined by Argentina. Regarding Suriname, the Director of the CAD of Suriname was contacted in February 2020, and a reply is being awaited for. |
| 22-6 | Approval of the budget for Project RLA/03/901 Rev T | That the Secretariat: a) Take relevant action to allow for the approval by ICAO Headquarters of RLA/03/901 Revision T, shown in Appendix B to this part of the report, for its subsequent submission to REDDIG member States. | Completed | Rev T was duly signed by the ICAO Secretary General |

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| 22-7 | Budget proposal for Project RLA/03/901 Rev U for approval by the States | <p>That the Secretariat:</p> <p>a) Develop a budget proposal Rev U for Project RLA/03/901 that includes:</p> <ul style="list-style-type: none"> a. The acquisition of firewall equipment in the amount of USD 375,000; and b. An increase in the fellowship budget in the amount of USD 30,000 from 2020 to 2023. <p>b) Conduct a round of consultations with the States for comments and approval of the proposed budget U. Subsequently, hold a virtual meeting of the Coordination Committee to report on the results of the round of consultations and approve the steps for its approval by ICAO.</p> | Completed | Budget proposal Rev U has been prepared, as shown in WP/05. |
| 22-8 | Approval of 100 KHZ bandwidth increments in MEVA III | <p>That the Secretariat:</p> <p>a) Take relevant action to amend the contract for the MEVA REDDIG interconnection as follows:</p> <ul style="list-style-type: none"> a. As of March 2019, include payment of a monthly amount of USD 100.00 for bandwidth increments (covering Upgrade Stages 1, 2, and 3 of 100 kHz bandwidth increments in MEVA III); and b. As of July 2019 (or when implemented), increase the monthly amount by an additional USD 33.33 (covering Upgrade Stage 4). <p>b) Take relevant action to coordinate with MEVA so that subsequent bandwidth increases or any other REDDIG related services are promptly communicated for prior approval by the RCC.</p> | Completed | <p>Amendment II to Contract 22501528 addresses Upgrade Stages 1, 2 and 3.</p> <p>Future amendments may address Upgrade Stage 4, as necessary.</p> |

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| 23-1 | Implementation of additional nodes of the REDDIG II ground network (MPLS) | <p>That the Secretariat:</p> <p>a) Make the necessary arrangements for implementation of additional nodes in the REDDIG II ground network as requested by United States (FAA), at no cost for Project RLA/03/901 participants.</p> <p>b) Analyse requests of other States/organisations interested in implementing additional nodes in REDDIG II and submit to the Coordination Committee for approval.</p> | Completed | <p>The United States, Panama and COCESNA have formally expressed their interest in implementing nodes in the REDDIG II ground network.</p> <p>United states and Panama will contract directly with the telecommunication provider (CenturyLink). Bolivia and COCESNA as participants of the RLA/03/901 Project will implement the nodes with the new MPLS service contract.</p> |
| 24-1 | Procedure for sending for repair broken equipment within a reasonable time | <p>That:</p> <p>With regard to the replacement of spare parts stored in the SAM Regional Office, the Project Management shall:</p> <p>a) After the shipment of the spare part is taken care of and its receipt has been confirmed, the receiving State has a period of 60 days to send the equipment for repair at the factory;</p> <p>b) If the deadline set out in the previous item is not met, the Project Management will not respond to another request for spare part from that State;</p> <p>c) States which are currently with broken equipment held shall apply as set out in this conclusion.</p> | Valid | |
| 24-2 | REDDIG III Ad-hoc Group creation | <p>That:</p> <p>The participating States of the Regional Project RLA/03/901 form an Ad-hoc Group to study technological proposals, for employment in the future REDDIG III, to be implemented from 2022.</p> | Valid | <p>During the RCC/24, the following States expressed interest in participating in the Ad-hoc Group: Brazil, Chile, France and Paraguay.</p> |

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| 24-3 | Interconnection of regional IP networks | <p>That:</p> <p>a) The Secretariat proceeds with the necessary administrative procedures for carrying out a meeting in Lima, with the participation of ICAO Officers and telecommunication providers of the Regional IP networks of APAC, EUR and SAM.</p> <p>b) The participation of the Secretary of the Communications Panel (CP) is coordinated with the use of resources of the RLA/03/901 Regional Project (air tickets and DSA).</p> | Valid | <p>Two teleconferences were held with the participants of the APAC Regional IP Network (CRV) on 21 January and 24 February 2021.</p> <p>Coordination with participants of Europe's regional IP network (PENS) was initiated in January 2021.</p> |
| 24-4 | Contract No 22501528 extension Interconnection MEVA III REDDIG II | <p>That:</p> <p>The Secretariat proceeds with the administrative procedures for the extension of Contract No 22501528, as previously signed in Amendment II, excluding the costs of the AFTN circuits in Brazil and Peru.</p> | Completed | |

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| 24.5 | Late payment procedure in cost-sharing contributions to Regional Project RLA/03/901 | <p>That the Secretariat:</p> <p>a) Update the procedure for late payment of cost sharing contributions to project RLA03901 under the following guidelines:</p> <ul style="list-style-type: none"> i. The procedure applies to those States that presents two unpaid contributions; ii. Instruction will be requested to the RCC to authorize if the following steps are followed; iii. The Secretary will send a letter to the State requesting information on the in claim of payment of outstanding contributions and the notification of following actions: <ul style="list-style-type: none"> 1. After two months of forwarding the letter, support shall be suspended in training activities and in REDDIG meetings, as well attending the RCCs meetings only as observers. 2. After 4 months, an extraordinary cTE call shall be made in which the High Authorities of the Member States are located, defining the actions to be taken for the maintenance/suspension of the services. iv. Meanwhile, the REDDIG Administrator will prepare a report on the technical impact | Completed | <p>With letters SA5208 (Argentina) and SA5199 (Suriname), States were informed of the situation; on 16 October 2020, the extraordinary RCC/25 was made, where Argentina reported the payment of its contributions and Suriname committed itself to payment thereof. Subsequently Suriname proposed a payment schedule that was circulated with letter SA5322 and accepted by Member States.</p> |
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| | | <p style="text-align: center;">of the cessation of State activity through REDDIG</p> <p>b) Take the appropriate actions to proceed in accordance to item (a) (iii) for the States of Suriname and Argentina.</p> | | |
| 24-6 | Approval of the budget for Regional Project RLA/03/901 Rev "U" | <p>That the Secretariat: Take relevant action to allow for the approval by ICAO Headquarters of the revision to Project RLA/03/901 for its subsequent submission to REDDIG member States, as shown in Appendix A to this part of the report.</p> | Valid | Rev U was duly signed by the ICAO Secretary-General and circulated to States for the corresponding process. |
| 25-1 | Pending cost shared contributions to Project RLA/03/901 | <p>That the Secretariat:</p> <p>a) Lift restrictions on Argentina.</p> <p>b) Keep the current restrictions on Suriname until 16 November, considering Suriname's request to be able to make the payment of its contributions within a month. If this deposit is not made, another RCC is convened to define the following service restriction measures that could be adopted.</p> | Completed | Suriname proposed a payment schedule that was circulated with letter SA5322 and accepted by Member States. |