



ICAO

International Civil Aviation Organization
North American, Central American and Caribbean Office

WORKING PAPER

MIII-RII/INTERCON/01 — WP/08
20/05/15

**First MEVA III/REDDIG II Interconnection Coordination Meeting (MIII-RII/INTERCON/01)
Oranjestad, Aruba, 25 to 26 May 2015**

Agenda Item 5: Review and update of MEVA – REDDIG Interconnection and Integration Agreements

**REVIEW AND UPDATE OF THE INTERCONNECTION
AGREEMENT COCESNA - REDDIG**

(Presented by COCESNA)

EXECUTIVE SUMMARY

This paper provides a general description and up to date information about the modernization of MEVA and REDDIG nodes that belong to COCESNA. It also shows the negotiations for upgrade of the interconnection agreement between COCESNA and ICAO/REDDIG.

Action:	Suggested Actions are presented in Section 3.
<i>Strategic Objectives:</i>	<ul style="list-style-type: none">• Safety• Air Navigation Capacity and Efficiency
<i>References:</i>	<ul style="list-style-type: none">• CAR/SAM Regional Planning and Implementation Group (GREPECAS) Meeting

1. Introduction

1.1 The meeting RAN CAR / SAM III and GREPECAS identified the need to integrate and/or interconnect the digital networks of the CAR and SAM regions. In order to increase the efficiency of air traffic communications in the Caribbean and South American Regions (CAR/SAM), members of the MEVA and REDDIG decided to interconnect the two networks to achieve this objective.

1.2 Due to the establishment of the settlement, both network members altogether decided to formalize the agreement through a Memorandum of Understanding (MOU) and Technical Cooperation Agreement (TCA), under the coordination of the ICAO NACC and SAM Regional Offices.

2. Discussion

COCESNA Project

2.1 The interconnection phase consisted in the modification of REDDIG nodes in Bogota and Venezuela, and COCESNA's MEVA node, so that they can work as interconnection points.

2.2 COCESNA was chosen as the interconnection point due to its location, geographically bordering the FIR of Panama, Jamaica, Grand Cayman and Cuba in the CAR region, which satisfy its ATS communications through the MEVA Network and with the SAM FIRs of Bogota and Guayaquil which satisfy communication via the modified node (MEVA/ REDDIG).



Management Service Agreement between OACI and COCESNA

2.3 On March 14, 2010, ICAO and COCESNA signed an agreement of Service Management whose Annex One (#1) is a corresponding to the "Interconnection of COCESNA MEVA Node to the REDDIG" RLA/09/201 with a validity of a 5 years, renewable.

Actual Situation

2.4 As part of the modernization projects of regional networks made this year - 2015 (the REDDIG migrated to the REDDIG II project developed by the French company INEO and the MEVA was modernized into its third generation MEVA III project developed by the German company COMSOFT), COCESNA proceeded to modernize the MEVA REDDIG node in Tegucigalpa.

2.5 The modernization of the REDDIG node of COCESNA was held in the month of February 2015, to this day the system is in operation in communication to Guayaquil, and nevertheless still has no communications with Bogotá.

2.6 The modernization of MEVA node was held in the second half of March, simultaneously with the installation of equipment by the company COMSOFT. The 18th and 20th of May we also had the visit from the GO TEAM ICAO in Tegucigalpa which was composed by Mr. Elvis Collado, Communications Engineer of the Dominican Civil Aviation Institute (IDAC, Dominican Republic) and Mr. Alva Myers, CNS Engineer (AEROTEL, Jamaica). The report left by this team notes that the system was left fully installed and operational, it also makes the following recommendations:

- Cleaning maintenance for the antenna dish and painting of the bars that support the antenna.
- Change of the Feeder because the frontal protector seems to be in bad shape.
- Placement of the new BUC MEVA III and installation of the LNB Power Supply, this last already installed.

Management Service Agreement between OACI and COCESNA Renewed

2.7 In March 2015 the Project Document RLA/09/901/B was signed, which extended for a period of five years the interconnection of MEVA III node of COCESNA to the REDDIG II, with starting date on the 1 April 2015.

2.8 Due to the agreement indicated in the text of the Document, the objectives are:

- Reflect the real cost of years 2010 through 2014 and transfer to the next year those items not disbursed
- Extend the project RLA/09/901/B to the 31 May 2019
- Present the budget considered for the present review of the Project Document
- The other terms of the project are maintained

Conclusions and Recommendations

- ✓ Benefits of modernization of the MEVA-REDDIG nodes and the interconnection between them, is having a dedicated aeronautical network for international communications, it opens a numerous of possibilities for international cooperation such as: Interconnection of AMHS, Radar Data exchange, the possibility of increase coverage in AMS VHF
- ✓ You are given a cordial invitation toward attending the reunion to take note of the information given.

3. Suggested Actions

3.1 The Meeting is invited to:

- a) take note of the information on this paper on the COCESNA node;
- b) review and take action to resolve the lack of communication with Bogota as explained in paragraph 2.5; and
- c) take any action as needed