



ICAO

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North American, Central American and Caribbean Office

WORKING PAPER

MEVA/TMG/31 — WP/07
17/05/16

Thirty first MEVA Technical Management Group Meeting (MEVA/TMG/31)
Kingston, Jamaica, 24 to 26 May 2016

Agenda Item 4: Network interconnection Activities and new circuits
4.1 MEVA III – REDDIG II Interconnection

MEVA III – REDDIG II INTERCONNECTION MATTERS

(Presented by TMG Coordinator)

EXECUTIVE SUMMARY	
This working paper presents and update on the interconnection between MEVA III Network and the REDDIG II and E/CAR AFS Networks, requesting the follow-up and latest updates from the involved parties.	
Action:	The suggested actions are detailed under Section 3.
<i>Strategic Objectives:</i>	<ul style="list-style-type: none">• Safety• Air Navigation Capacity and Efficiency• Environmental Protection
<i>References:</i>	<ul style="list-style-type: none">• Thirtieth MEVA Network Technical Management Group Meeting (MEVA/TMG/30) Oranjestad, Aruba, 27 to 29 May 2015.

1. Introduction

1.1 During the last MEVA TMG/30 Meeting held in Oranjestad, Aruba from 25 to 26 May 2015, the TMG reviewed and adopted the revised Memorandum of Understanding (MoU) between States/Territories/International Organizations members of MEVA III and REDDIG II project organization for the coordination and cooperation process for the MEVA III REDDIG II interconnection network.

1.2 The Meeting also confirmed the performance and completion of the interconnection related circuits and identified the future interconnection requirements shown in the following table:

NO	Circuit requirement	Implementation estimate
1	Radar Data sharing between Curacao-Venezuela (1 radar data circuit)	Prior to 2017
2	Radar Data sharing between Colombia - Panama	By mid 2016
3	SAM AMHS circuit implementation with Atlanta <ul style="list-style-type: none"> • Caracas - Atlanta • Brasilia - Atlanta • Lima - Atlanta • Bogotá – Panama 	2016-2017
4	AMHS circuit Atlanta- PIARCO-- planned thru COCESNA REDDIG	2016
5	AFTN Data circuit PIARCO- Curacao	After June 19 2015

Table 1 - Proposed new circuits

1.3 Also during the TMG/30 Meeting, the TMG documented under Conclusion TMG/29/01 the AFTN Data Circuit with Brasil was to be completed by the first semester 2015.

2. Discussion

2.1 The MEVA III and REDDIG II Network have been operational in 2015. From the MEVA III and the REDDIG II Network implementation, it was agreed under Conclusion MEVA/TMG/30/19 ADDITIONAL CIRCUITS FOR MEVA III-REDDIG II INTERCONNECTION that in order to track the completion of the implementation United States, COCESNA and Frequentis report on the progress made by 16 June 2015.

2.2 The status of such implementation will be updated during the MEVA TMG/31 Meeting, including the USA/Brasil AFTN line. It is proposed an ad hoc group is created during this meeting between with parties involved in the interconnection.

2.3 US/FAA initiated coordination with Peru, Venezuela and Panama for the testing and implementation of AMHS. First action is a ratification of a bilateral Technical Letter between States identifying agreement and necessary steps that must be completed prior to implementation.

2.4 In relation to the radar data sharing between Curacao and Venezuela, please see the attached minutes of the last coordination with the involved parties (Appendix). No implementation has been agreed due to the delays in the automation expected in Maiquetia ACC for this matter.

3. Suggested Action

3.1 The Meeting is invited to

- a) Review the information provided in this paper;
- b) Panama, COCESNA, Trinidad and Tobago, United States and Curacao to inform on any progress made on the MEVA III- REDDIG interconnection; and
- c) Take any other action as deemed necessary



***CAR Region-Venezuela Coordination Teleconf
(17 December 15 UTC)***

References:

1. 2da Teleconferencia Intercambio de Datos Radar: Curacao y Venezuela (9 Julio 2013, 1330 UTC)- **Appendix**
2. 4th Radar Data Sharing Teleconference: Trinidad and Tobago and Venezuela (21 March 2013, 1645 UTC)- **Appendix**
3. MEVAIII-REDDIG future interconnection Agreements - **Appendix**

Objective: reactivate the coordination and agreements made on several topics between the CAR States and Venezuela

Agenda:

- a) Introduction of participants / PoCs
- b) Review of last agreements (radar, meeting Venezuela-Trinidad and Tobago, MEVA-REDDIG, etc.)
- c) Identification of needs and performance – interregional
- d) Definition of how to continue the coordination for all (VEN-Curacao, VEN-TT, VEN-San Juan, VEN-Aruba)
- e) Other matters

Participants:

- Aruba: Joselito Andrade/ Erika Dedier
- Curacao: Jacques Lasten
- Trinidad and Tobago: Veronica Ramdath, Riaaz Mohammed, Richard Halliday, Gunnial Sonniel
- Venezuela: Vicente Fiore
- ICAO: Onofrio Smarrelli, Julio C. Siu

Discussions:

1. ICAO commented on the previous agreements made between the CAR States and Venezuela as detailed in the References to these minutes. Curacao, Trinidad and Tobago and Venezuela also confirmed that no follow-up has been possible up-to-date and welcome the ICAO coordination for reactivating these regional activities. In the case of Trinidad and Tobago- Venezuela it was also recalled the formal bilateral face-to-face ATM/CNS Meetings and the need to follow them.

Introduction of participants / PoCs

2. In order to continue the preparation of the specific topic teleconferences and promote the communication among the participating States, the participants identified the following Points of Contact (PoC):

State- Administration	CNS matter PoC: email	ATM matters PoC: email
Aruba-ANSA	Joselito Andrade: joselito.correideandrade@ansa.aw	Erika Dedier: Erika.Dedier@ansa.aw
Curacao- DC-ANSP	Jean Getrouw: j.getrouw@dc-ansp.org	Jacques Lasten: J.Lasten@dc-ansp.org
Trinidad and Tobago - TTCAA	Veronica Ramdath: vramdath@caa.gov.tt	Riaaz Mohammed: rmohammed@caa.gov.tt Alexis Bradwaite: alexis.brathwaite@gmail.com
Venezuela - INAC	Vicente Fiore: v.fiore@inac.gob.ve	Jose Rafael Gonzalez: joser.gonzalez@inac.gob.ve Vicmary Jimenez: v.jimenez@inac.gob.ve Francisco Ortiz: f.ortiz@inac.gob.ve Harrison Salazar: ha.salazar@inac.gob.ve

ICAO NACC Office: Julio Siu (jsiu@icao.int)

ICAO SAM Office: Onofrio Smarelli (osmarelli@icao.int)

Review of last agreements (radar, meeting Venezuela-Trinidad and Tobago, MEVA-REDDIG, etc.)

3. Venezuela commented that since the agreements made in 2013, the only update to the Venezuelan infrastructure has been to the regional network matters in MEVA III and REDDIG. For 2016, Venezuela is planning to have an upgrade to their ATC Systems. In this regard the reactivation of this coordination is of utmost value for the establishment of the new ATC System requirements (Radar, AIDC, etc.).
4. Regarding the MEVA III-REDDIG II interconnection circuit requirements agreed in May 2015, the following updates were commented:
 - a) Trinidad and Tobago informed that the AFTN/AMHS data circuit between Curacao and PIARCO for the NOTAM Contingency was not needed since this service will be made thru an IP VPN between their Systems.
 - b) The AMHS circuit Trinidad and Tobago- Atlanta, will be interconnected through the MEVA III/REDDIG II Node in COCESNA (Tegucigalpa, Honduras) and neither through Venezuela nor Colombia.
5. Aruba commented that currently no new requirements are identified with Venezuela.
6. In order to follow-up this reactivation, the following actions were agreed:
 - **ACT 01/01:** Curacao and Venezuela, through the designated points of contacts shall coordinate and exchange information on the previous agreements and to be prepared for a follow-up teleconference between them and ICAO. **The teleconference shall be conducted in January 21 at 15:00 UTC.**
 - **ACT 02/01:** Trinidad and Tobago and Venezuela, through the designated points of contacts shall coordinate and exchange information on the previous agreements and last ATM/CNS Meeting agreement, and to be prepared for a follow-up teleconference between them and ICAO. **The teleconference shall be conducted in February 11 at 15:00 UTC.**
 - **ACT 03/01:** ICAO and the MEVA TMG in conjunction with COCESNA, FAA and the MEVA III Service Provider will review the technical/cost requirements for the implementation of the AMHS circuit Trinidad and Tobago-Atlanta (through the MEVA III/REDDIG II Node in COCESNA) and inform REDDIG and Trinidad and Tobago of the results by **29 January 2016.**

Identification of needs and performance – interregional

7. Trinidad and Tobago commented on the AFTN circuit to Georgetown, which is now through Maiquetia but originally a direct connection Piarco-Georgetown is requested. Trinidad and Tobago indicated that Guyana will interconnect with them as a User Agent (UA) in the PIARCO AMHS System. This matter will be included by the SAM Office in the discussion on the REDDIG Network Meeting of March 2016.

Definition of how to continue the coordination for all (VEN-Curacao, VEN-TT, VEN-San Juan, VEN-Aruba)

8. Everyone agreed that this coordination shall be followed through the corresponding agreed teleconferences, where the participants and ICAO will define if any face-to-face meetings are needed. Similarly everyone committed to define the necessary actions to accomplish these tasks and to report to the corresponding implementation groups and GREPECAS such advances.

Other matters

9. Curacao enquiry if the SSR codes matters could be included in this coordination. Everyone agreed to include it as needed and in the agenda of the future teleconferences.

Next meeting: teleconferences scheduled in these minutes.