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WORKING PAPER

MEVA/TMG/29 — WP/10
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Twenty-ninth MEVA Technical Management Group Meeting (MEVA/TMG/29)
Mexico City, Mexico, 9 to 12 December 2014

Agenda Item 4: MEVA III Implementation Activities
4.3 MEVA III Interconnection Matters

MEVA -REDDIG INTERCONNECTION: REVIEW OF PROCEDURES AND AGREEMENTS

(Presented by the Secretariat)

EXECUTIVE SUMMARY	
This Working Paper recalls the need to review and update the associated procedures and agreements of the MEVA II REDDIG Interconnection considering the implementation on the new REDDIG II and MEVA III Networks.	
Action:	The suggested actions are detailed in 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">• Report of the Eighth MEVA II/REDDIG Coordination Meeting (MR/08), Lima, Peru, from 17 to 18 May 2010• Report of Twenty-sixth MEVA Technical Management Group Meeting (MEVA TMG/26), ICAO NACC Regional Office, Mexico City, Mexico, 4 to 7 June 2013• Report of Twenty-seventh MEVA Technical Management Group Meeting (MEVA TMG/27) Meeting, ICAO NACC Regional Office, Mexico City, Mexico, 14 to 16 October 2013• Report of Twenty-eighth MEVA Technical Management Group Meeting (MEVA TMG/28) Meeting, Miami, United States, 26 to 30 May 2014• FAA- Brazil teleconferences for AFTN Data circuit implementation

1. Introduction

1.1 The interconnection of the MEVA II and the REDDIG Network has proven to facilitate the communication between the two regional networks in a cost-effective matter.

1.2 During the MEVA TMG/24 Meeting, the Secretariat informed on the progress in the MEVA II/REDDIG interconnection requirements concluding that all voice circuits are operational and some Aeronautical Fixed Telecommunication Network (AFTN) data circuits are to be completed while testing continues (Atlanta, Brasilia, Caracas and Miami). In this regard, the meeting agreed in formulating Conclusion 24/5 - *Completion of MEVA II/REDDIG Interconnection AFTN Data Circuits*, urging United States to complete the implementation of AFTN Data circuits with Venezuela and Brazil.

1.3 The MEVA TMG/25 Meeting reported that Conclusion 24/5 - *Completion of MEVA II/REDDIG Interconnection AFTN Data Circuits* was still valid since the AFTN Data circuit Atlanta- Brasilia was still pending and the AFTN Data Circuit Atlanta-Venezuela was completed.

1.4 During the MEVA TMG/26 Meeting, two conclusions for completing the interconnections were agreed: Conclusion 26/18 - *Completion of MEVA/REDDIG Interconnection AFTN Data Circuit with Brazil* and Conclusion 26/19 - *Panama-Bogota AFTN Data Circuit Implementation*.

1.5 By the MEVA TMG/27 Meeting, the AFTN Data Circuit Panama-Bogota was reported as completed concluding conclusion 26/19.

1.6 During the MEVA TMG/28 Meeting, it was reported that the AFTN Data Circuit with Brazil – United States was still pending and so conclusion 26/8 was superseded with new deadlines by Conclusion MEVA TMG/28/02 - *Completion of MEVA/REDDIG Interconnection Aeronautical Fixed Telecommunication Network (AFTN) Data Circuit with Brazil*.

2. Discussion

MEVA II REDDIG Interconnection requirements

2.1 The final MEVA II REDDIG interconnection requirements, which have been also requested on the MEVA III tender process, were as follows:

No.	Sites	Requirement
1	2	3
Connectivity through the Caracas, Venezuela site		
1	Curaçao/Caracas (Venezuela)	1 ATS voice 1 AFTN data, 2400 bps, X.25, IA-5
2	Aruba/Josefa Camejo (Venezuela)	1 ATS voice
3	Atlanta (United States)/Caracas (Venezuela)	1 AFTN data, 9600 bps, X.25, IA-5
4	Puerto Rico/Caracas (Venezuela)	1 ATS voice
Connectivity through the Bogota, Colombia site		
5	Barranquilla (Colombia)/Curaçao Barranquilla (Colombia)/Jamaica Barranquilla (Colombia)/Panama	ATS voice
6	Bogota (Colombia)/Panama	1 AFTN data, 2400 bps, X.25, IA-5
7	Bogota (Colombia)/Panama Cali (Colombia)/Panama Medellin (Colombia)/Panama San Andrés (Colombia)/Panama	ATS voice
8	Lima (Peru) / Atlanta (United States)	1 AFTN data, 9600 bps, X.25, IA-5
9	Atlanta (United States)/Manaus (Brazil)	1 AFTN data, 9600 bps, X.25, IA-5

2.2 From coordination with the REDDIG Administration, only one requirement is still to be fully operational: AFTN Data circuit Atlanta-Brasilia.

2.3 Several teleconferences FAA-Brazil have been conducted to complete this circuit, with some delays due to the events in Brazil as the 2014 soccer world cup.

Progress of the REDDIG II Project

2.4 As part of the commitment by the MEVA Network on keeping informed of any upgrades and major changes to the REDDIG Network, the MEVA Network was informed from the REDDIG Administration the following implementation status:

- States have almost fully completed the customs process of the equipment and some are already onsite in their respective sites
- Physical installation of all equipment is scheduled to be finished by the end of the first week of December 2014
- The network commissioning will be on the week of January 19, 2014
- Regarding the REDDIG installation in the MEVA Node in COCESNA; by the week of Nov 24 the REDDIG Equipment will be delivered to the site with installation and operation planned for the week of January 19, 2015.

2.5 The REDDIG II Implementation schedule is shown in **Appendix** to this paper

MEVA III Implementation

2.6 Based on the current implementation action plan for the MEVA III transition, the MEVA III network services are expected to be implemented by March 2015. In this regard, REDDIG II and MEVA III shall be implementing almost simultaneously, so a closer coordination may be necessary, so the MEVA TMG/28 Meeting agreed on conclusion MEVA TMG/28/09 - *MEVA III-REDDIG II Meeting Organization*.

2.7 The MEVA TMG/28 Meeting also recalled that the interconnection of MEVA II and REDDIG is an interregional agreement made at the CAR/SAM Regional Planning and Implementation Group (GREPECAS) to encourage the implementation of regional telecommunication networks, and represented the first phase for achieving full network integration in the future. The following two documents were agreed:

- MEVA – REDDIG interconnection Management agreements-
- MEVA- REDDIG network integration considerations

2.8 And conclusion MEVA TMG/28/08 letter c) was agreed - *Development and approval of relevant MEVA Documentation for MEVA III, for the MEVA III Task Force, in coordination with COMSOFT, to review the existing MEVA II-REDDIG interconnection agreements (MEVA-REDDIG Memorandum of Agreement (MoA) and Integration considerations) for its customization for MEVA III by 15 September 2014.*

2.9 The ICAO NACC and SAM Regional Offices have agreed on conducting the I MEVA III- REDDIG II interconnection meeting from 25 to 26 May 2015 in Aruba prior to the MEVA TMG/30 Meeting.

3. Suggested actions

3.1 The meeting is invited to:

- a) take note of the information contained in this Working Paper;
- b) review and approve the initial draft revisions of the MEVA – REDDIG interconnection Management agreements and the MEVA- REDDIG network integration considerations as presented in paragraphs 2.7 and 2.8;
- c) identify as needed any future interconnection requirements for discussion with the REDDIG Network;
- d) agree on actions to ensure a harmonious implementation of the MEVA III in keeping the interconnection requirements with the REDDIG II Project; and
- e) agree to any other actions as deemed appropriate.

APPENDIX

Tentative time schedule / PHASES - 26th June 2013

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