



ICAO

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North American, Central American and Caribbean Office

WORKING PAPER

MEVA/TMG/34 — WP/02
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Thirty Fourth MEVA Technical Management Group Meeting (MEVA/TMG/34)

Miami, United States, 11 to 13 June 2019

Agenda Item 2: Operation and Performance of the MEVA III Network

REVIEW OF CONCLUSIONS AND ACTIONS FROM PREVIOUS MEVA/TMG MEETINGS, NACC/WG MEETINGS AND FROM ANI/WG MEETINGS

(Presented by the Secretariat)

EXECUTIVE SUMMARY

This working paper presents a follow-up and summary concerning the conclusions from MEVA/TMG/32, MEVA/TMG/33 Meetings, NACC/WG/5, ANI/WG/4 and ANI/WG/5.

Action:	Suggested actions are listed 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">• Thirty Third MEVA Technical Management Group Meeting (MEVA/TMG/33) Willemstad, Curaçao, 29 to 31 May 2018).• Fourth NAM/CAR Air Navigation Implementation Working Group Meeting (ANI/WG/4) Miami, United States, 21 to 24 August 2018.• Fifth NAM/CAR Air Navigation Implementation Working Group Meeting (ANI/WG/5) Mexico City, Mexico, 27 to 31 May 2019.

1. Introduction

1.1 The Thirty third MEVA Technical Management Group Meeting (MEVA/TMG/33) was held in Willemstad, Curaçao, 29 - 31 May 2018). In this meeting the conclusions from previous meetings were reviewed and updated accordingly, concluding that all previous valid MEVA TMG conclusions were completed or superseded.

2. Discussion

2.1 The **Appendix** to this paper presents a follow-up to the conclusions of the MEVA/TMG/32, MEVA/TMG/33, NACC/WG/5, ANI/WG/4 and ANI/WG/5 Meetings. According with the evaluation, exist conclusion about four years ago without any action, any information update and without and effective follow up.

Meeting	Valid Conclusion
MEVA/TMG/32	3
MEVA/TMG/33	7
NACC/WG/5	2
ANI/WG/4	3
ANI/WG/5	1

2.2 In that sense is necessary that MEVA/TMG and ICAO find a better mechanism to follow-up all the conclusions that are still valid and future activities with the aim to close them timely with quality and efficiency.

3. Suggested Actions

3.1 The Meeting is invited to:

- a) review the follow-up of the valid conclusions shown in Appendix;
- b) development a mechanism to implement a better conclusion/decision follow-up; and,
- c) take appropriate action as needed

MEVA/TMG/33

Number	Conclusion/Decision	Responsible for action	Deadline	Status	Observations
CONCLUSION MEVA/TMG/33/1	IMPROVE MAINTENANCE That, in order to improve the quality of MEVA equipment maintenance by the MEVA Member States:	MEVA Member States		Completed	Provider sent information, only two States accepted the OJT
	a) the MEVA Service Provider send a quote to ICAO by the end of July 2018, to be distributed to the MEVA Members, for an optional additional day during the next annual maintenance in order to provide OJT (On Job Training); and	The MEVA Service Provider	end of July 2018		
	b) MEVA Members notify the acceptance of the proposal by September 2018.	MEVA Members	September 2018		
CONCLUSION MEVA/TMG/33/2	GENERAL PROCEDURE TO REQUEST A NEW CHANNEL That, in order for this procedure to be efficient, the Meeting agreed the following:	MEVA/TMG/33 Meeting		Completed	States may ask for a direct new channel to MEVA Provider and inform ICAO. ICAO will update information with the new request. States must coordinate directly with Provider its technical, operational and administrative requirements.
	a) <u>New channel circuit</u> : The MEVA Members will coordinate directly with the MEVA Service Provider for the implementation of new channels and when ready for operation, the MEVA Service Provider will inform ICAO for its records and ICAO will inform the other MEVA Members;	MEVA Members, the MEVA Service Provider and ICAO			

Number	Conclusion/Decision	Responsible for action	Deadline	Status	Observations
	b) In the case that a new channel requires additional satellite bandwidth, the MEVA Service Provider will provide ICAO with details of the increase and the incremental monthly cost to be paid by each State. ICAO will send this information to the States to support their administrative processes in order to proceed with the payment according to the information provided; and	the MEVA Service Provider and ICAO			
	c) MEVA Members will report by 30 July 2018, if this procedure is acceptable or needs to be modified.	MEVA Members	30 July 2018		
CONCLUSION MEVA/TMG/33/3	INCREASE SWITCHED CIRCUIT That, in order to maintain the Service level for switched lines, the MEVA Service Provider make an analysis of the data of the rest of the year 2018, and indicate when it will be necessary to increase the switched circuits again. The result of this analysis will be presented by the MEVA/TMG/34 Meeting.	The MEVA Service Provider	MEVA/TMG/34 Meeting	Completed	Provider presented information in every monthly report. See „ERLANG“ in the reports.
CONCLUSION MEVA/TMG/33/4	MEVA-III DISASTER RECOVERY That, in order to ensure that the MEVA service is restored as soon as possible, in the event that an antenna of any of the Member State suffers hurricane damage, the Meeting agreed the following:	MEVA/TMG/33 Meeting		Need analysis	Provider sent information, only three States accepted the proposal.

Number	Conclusion/Decision	Responsible for action	Deadline	Status	Observations
	a) The MEVA Service Provider will prepare a quotation, based on the current proposal indicating the monthly cost to be charged to each State for the MEVA Service Provider to assume the responsibility for temporary antenna restoral when required. This information is to be sent to ICAO by 30 June 2018; and	The MEVA Service Provider	30 June 2018		
	b) the MEVA Members to evaluate the quotation and provide an answer by 30 August 2018.	the MEVA Members	30 August 2018		
CONCLUSION MEVA/TMG/33/5	DECOMMISSIONING OF FAA X.25 NETWORK That, in order to ensure continual exchange of aeronautical messages:				
	a) Bahamas, Curacao and Haiti work directly with United States to agree on an action plan and ensure the availability of aeronautical message exchange before decommissioning of the X.25 network. They will present the action plan to ICAO for follow-up by 30 August 2018; and	Bahamas, Curacao and Haiti work directly with the FAA	30 August 2018	Completed	States worked directly with United States regarding AFTN channels decommission and ICAO report to ICAO SAM Office about it.
	b) that the ICAO NACC Regional Office inform the SAM Region by 30 June 2018 on the impact that this action will have on Brazil, Peru, and Venezuela .	ICAO NACC Regional Office	30 June 2018		

Number	Conclusion/Decision	Responsible for action	Deadline	Status	Observations
CONCLUSION MEVA/TMG/33/6	RADAR DATA SHARING-CUBA INFORMATION That, in order to improve radar data sharing between Cuba and Jamaica, both MEVA Members continue working together and send an update of the status of radar data sharing implementation to ICAO by 30 August 2018.	Cuba and Jamaica	30 August 2018	Open	States did not report any change.
CONCLUSION MEVA/TMG/33/7	AMHS SYSTEM TABLE ADDRESSING That, in order to update the AMHS addressing database to avoid problems in sending and receiving aeronautical messages, ICAO provide information on the uses of the ATS Messaging Management Centre (AMC) addressing tables by 15 September 2018.	ICAO	15 September 2018	Completed	ICAO provided information to States; also ICAO NACC Regional Office coordinated with Eurocontrol a training. That training was development in ICAO NACC Office, Mexico to all States with AMHS.
CONCLUSION MEVA/TMG/33/8	ANALYSIS OF NEW MEVA PHASE That, in order to ensure the correct and safe implementation of the new services in the region, the Meeting agreed to:	MEVA/TMG/33 Meeting		Valid	
	a) provide to the MEVA rapporteur with their action plan and status for ATFM, ADS-B satellite and SWIM implementation by 25 June 2018; and	MEVA/TMG/33 Meeting	25 June 2018		

Number	Conclusion/Decision	Responsible for action	Deadline	Status	Observations
	<p>b) create a MEVA Ad hoc Group integrated by Dominican Republic, Trinidad and Tobago, United States and COCESNA with the objective of developing technical/operational requirements for a new platform of IP-communication to support the new services and develop an action plan for execution in the next two years.</p> <ul style="list-style-type: none"> • The Ad hoc Group will be led by COCESNA and supported by ICAO. • It will propose a new phase of MEVA network to support the new communications needs to be presented at the MEVA/TMG/34 Meeting. 	MEVA/TMG/33 Meeting	MEVA/TMG/34 Meeting	Valid	
CONCLUSION MEVA/TMG/33/9	<p>PROTECTION OF THE FREQUENCIES NEEDED FOR AVIATION</p> <p>That, in order to establish continuous evaluation of the radio electric spectrum for aviation, the Meeting agreed to create an Ad hoc group, led by Haiti and integrated by Cuba and Dominican Republic, to create and provide guidelines based on ICAO regulations to address actions to be taken by States to guarantee the protection and availability of frequencies for the current and future aviation needs. Their first activity will be to prepare the MEVA Members for the ITU-WRC19 and report in the MEVA/TMG in May 2019.</p>	MEVA/TMG/33 Meeting	MEVA/TMG/34 Meeting	Valid	

Number	Conclusion/Decision	Responsible for	Deadline	Status	Observations
CONCLUSION MEVA/TMG/33/10	INVOICES PAYMENT PROCEDURE That, to improve efficiency through direct communication so that States can make timely payment of invoices, the Meeting agreed the following:	MEVA/TMG/33 Meeting		Valid	Only two States provided the required information. A constant debt is maintained with the States that pay through ICAO.
	a) each MEVA Member will provide by 30 June 2018, an administrative Point of Contact (PoC), responsible for making the Invoice payments to Frequentis;	Each MEVA Member	30 June 2018		
	b) Frequentis will send, starting July 2018, a copy of the invoice directly to both, the Technical and Administrative Representatives of the State, with the aim that, through direct receipt of information, the corresponding invoice payment can be made on time; and	Frequentis	starting July 2018		
	c) Cuba, Panama and ICAO will implement a mechanism by July 2018, to ensure that the Invoice payments of these States are on time.	Cuba, Panama and ICAO	July 2018		
DECISION MEVA/TMG/33/11	THIRD PARTY PROCEDURE That,				
	a) according to the information provided, the Meeting validated and accepted the Procedure, so that it can be used by a third party to provide services to a MEVA Member according to the requirements, responsibilities stipulated in the document;	MEVA/TMG/33 Meeting		Completed	Decision is Completed because the deadline passed and no comments were received from the States.
	b) however, the document will remain as an open document and will be evaluated by 15 July 2018 to add any comment proposed by the State; and		15 July 2018		

	c) the MEVA Service Provider will officially inform how the bandwidth that AIREON contracts for the implementation of ADS-B Satellite data will be used, and in how the bandwidth that is not used by AIREON will be used to support other MEVA according with the AIREON propose, the rest of bandwidth could be used to support MEVA services without any additional charges, Frequentis will informed about the use of the bandwidth by December 2018.	the MEVA Service Provider and Frequentis	December 2018		
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Other Decisions and Conclusions

Number	Conclusion/Decision	Responsible for	Deadline	Status	Observations												
DECISION MEVA/TMG/33/12	TERMS OF REFERENCE (ToRs) The MEVA TMG Terms of Reference and Work Programme were updated and approved by the Meeting as presented in Appendix C.	MEVA/TMG/33 Meeting.	MEVA/TMG/33 Meeting.	Completed													
CONCLUSION MEVA/TMG/33/13	NEW ROTATION SCHEDULE FOR 2020-2024 That, in order to improve the planning and organization of the MEVA TMG Meetings, taking in consideration the benefits of conducting the meetings in MEVA locations:																
	a) United States confirms that they will host the MEVA/TMG/34 in May 2019; and	United States	MEVA/TMG/34 Meeting in May 2019														
	b) the MEVA Members approve the following MEVA TMG Meeting Rotational scheme; <table border="1" data-bbox="527 899 884 1263"> <thead> <tr> <th>MEVA Member</th> <th>Year</th> </tr> </thead> <tbody> <tr> <td>COCESNA</td> <td>2020</td> </tr> <tr> <td>Dominican Republic</td> <td>2021</td> </tr> <tr> <td>Bahamas</td> <td>2022</td> </tr> <tr> <td>Cayman Islands</td> <td>2023</td> </tr> <tr> <td>British Virgin Island</td> <td>2024</td> </tr> </tbody> </table>	MEVA Member	Year	COCESNA	2020	Dominican Republic	2021	Bahamas	2022	Cayman Islands	2023	British Virgin Island	2024	the MEVA Members		Valid	
MEVA Member	Year																
COCESNA	2020																
Dominican Republic	2021																
Bahamas	2022																
Cayman Islands	2023																
British Virgin Island	2024																
	c) the MEVA Members apply the same rule for the previous rotation schedule, and	the MEVA Members															

	d) the MEVA Members confirm the hosting of MEVA TMG Meetings presented in letter b) by the next MEVA TMG/34 Meeting.	the MEVA Members	MEVA TMG/34 Meeting		
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FOLLOW UP TO VALID CONCLUSIONS FROM THE MEVA TMG/32 AND NACC/WG/5 MEETINGS NAM/CAR AIR NAVIGATION IMPLEMENTATION

MEVA TMG/32 AND ANI/WG/3 MEETINGS

Conclusions	Description	Remarks	Status
CONCLUSION MEVA TMG/32/2 VOICE AND DATA CHANNEL WITHOUT OPERATION	That , a) States with assigned channels that are not operational promote within their State the use of the same and their commissioning as soon as possible, for this they will forward the implementation plan for the services to the MEVA Coordinator no later than 30 August 2017; and b) States carry on the necessary test and operational agreements to ensure that the channels will be operational by the end of 2017.	It is necessary that States review this Appendix with the objective of reviewing the channels that need to be updated. All according to the needs and real capacity of each State. Each MEVA Member must review the MEVA Service Provider website and provide information regarding the implementation of the channels by 15 June 2018.	Valid
CONCLUSION MEVA TMG/32/3 NON OPERATIONAL CHANNEL	That, if the necessary actions are not taken to carry out the activities under Conclusion MEVA/TMG/32/2, the State analyze if channels are not required and request to the MEVA Coordinator to cancel the channel by 15 December 2017.		Valid

<p>CONCLUSION MEVA TMG/32/4 DEDICATED VOIC E CIRCUITS- HOTLINES/SHOUTLINES/RADAR</p>	<p>That, considering that several dedicated voice circuits are not fully operational in the MEVA Network and to provide the use of these circuits, Aruba, Curacao, Dominican Republic, Jamaica and ICAO review and complete the use of the hotlines/shoutlines that are not in use by August 2017.</p>	<p>Aruba, Curacao Dominican Republic and Jamaica, will provide an action plan to ICAO by 30August 2018.</p>	<p>Valid Only Curaçao and Dominican Republic updated this procedure</p>
<p>CONCLUSION MEVA TMG/32/11 ACTIONS BEFORE THE ITU WORLD RADIOCOMMUNICATION CONFERENCE 2019 (WRC-19)</p>	<p>That, ICAO and the MEVA TMG carry out an action plan to ensure that States develop the protection of frequencies necessary in their territories to maintain current and future aeronautical services before the ITU World Radiocommunication Conference 2019, to be presented at and followed-up by the MEVA/TMG/33.</p>	<p>Completed</p>	<p>Ad hoc Group was created</p>

**NACC/WG/5
MEETING**

Conclusions	Description	Remarks	Status
<p>CONCLUSION NACC/WG/5/7 RADAR DATA SHARING FOR IMPROVING SAFETY OF OPERATIONS</p>	<p>That, to improve the safety of operations on the safety hot spots identified by the GREPECAS GTE, Curaçao-Dominican Republic-Jamaica, COCESNA-Ecuador, Mexico-Cuba begin to share radar data with the adjacent FIRs as soon as possible providing their action plan for this purpose to the ANI/WG by 31 October 2017.</p>	<p>Jamaica and COCESNA - Completed</p> <p>Curacao and Dominican Republic submit their Action plan by 30 August 2018.</p> <p>Ecuador and COCESNA submit their Action plan by 30 August 2018.</p> <p>ICAO will have an approach with Mexico to coordinate the following teleconferences:</p> <ul style="list-style-type: none"> • between Mexico and Cuba by end of June 2018. • between Curacao and Venezuela by the end of July 2018 	<p style="text-align: center;">Valid</p> <p>Dominican Republic and Curaçao finished their implementation.</p> <p>COCESNA provided information about their agreement with Curaçao.</p> <p>Mexico and Cuba did not provide information.</p>
<p>CONCLUSION NACC/WG/5/9 XML TESTING OVER AMHS</p>	<p>That, in order to test the XML capacity of the CAR regional networks, Cuba, Dominican Republic and United States coordinate for XML testing over AMHS reporting their progress by Next MEVA/TMG meeting on 2019.</p>		<p style="text-align: center;">Valid</p>

Conclusion ANI/WG/4 and ANI/WG/5

Conclusions	Description	Remarks	Status
ANI/WG/4/7	<p>REGIONAL STRATEGY FOR THE MANAGEMENT OF THE RADIOELECTRIC SPECTRUM FOR AERONAUTICAL SERVICES</p> <p>That, the States support the work of the MEVA Ad hoc Group for the management of the information and activities to be developed for a harmonized and regional management of the aeronautical frequencies in the NAM/CAR Regions and provide the names of the persons in each State that will support the tasks of this Ad hoc group.</p>	<p>States</p> <p>30 September 2018</p>	Valid
ANI/WG/4/8	<p>PROVIDE POINT OF CONTACT (POC) RESPONSIBLE FOR MANAGEMENT AND MAINTENANCE OF AMHS OR AFTN.</p> <p>That, the States provide by 30 September 2018, the PoC of their State responsible for the technical management of the AMHS or AFTN system. ICAO will have available this information for use by the States.</p>	<p>States</p> <p>30 September 2018</p>	Valid
ANI/WG/4/x	<p>XML TESTS ON THE AMHS Platform</p> <p>That, in order to test the XML capacity of the CAR Regional networks, Cuba, Dominican Republic, Trinidad and Tobago, United States and COCESNA coordinate XML tests.</p> <p>That, for this objective, the following activities are performed, related to AMHS, reporting their progress by 30 December 2017.</p> <p>a) The creation of an Ad hoc Group integrated by States and Organizations listed before and that it is led by Cuba. b) that the Ad hoc Group be part of MEVA/TMG c) that the tests results be reported to States by 30 December 2019.</p>	<p>Cuba, Dominican Republic, Trinidad and Tobago, United States and COCESNA</p> <p>30 december 2019</p>	Valid