



ICAO

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North American, Central American and Caribbean Office

WORKING PAPER

MEVA/TMG/31 — WP/02  
06/04/16

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

**Agenda Item 2: Review of Conclusions and Actions from Previous MEVA/TMG Meetings and from the Third NAM/CAR Air Navigation Implementation Working Group Meeting (ANI/WG/03)**

**REVIEW OF PREVIOUS VALID CONCLUSIONS**

(Presented by TMG Coordinator)

<b>EXECUTIVE SUMMARY</b>	
This working paper presents a follow-up and summary concerning the conclusions from MEVA/TMG/30 Meeting and from the ANI/WG/3.	
<b>Action:</b>	Suggested actions are listed in Section 3.
<i>Strategic Objectives:</i>	<ul style="list-style-type: none"><li>• Safety</li><li>• Air Navigation Capacity and Efficiency</li></ul>
<i>References:</i>	<ul style="list-style-type: none"><li>• Thirtieth MEVA Technical Management Group Meeting (MEVA/TMG/30), Oranjestad, Aruba, 27 to 29 May 2015</li><li>• MEVA II and III Teleconferences for Monthly reports</li></ul>

**1. Introduction**

1.1 The Thirtieth MEVA Technical Management Group Meeting (MEVA/TMG/30) was held in Oranjestad, Aruba from 27 to 29 May 2015. 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were reviewed and updated accordingly, concluding that all previous valid MEVA TMG conclusions were completed or superseded.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 **Appendix** to this paper presents a follow-up to the conclusions of the MEVA/TMG/30 Meeting and those related to MEVA III of the ANI/WG/3 Meeting. Actions and Members are suggested in this follow-up, as well as the Service Provider is requested to provide updates on the network Performance and comments to current operations.

**3. Suggested Actions**

3.1 The Meeting is invited to

- a) review the follow-up of the valid conclusions shown under the Appendix;
- b) inform on actions and activities regarding each conclusion; and
- c) take appropriate action as needed.

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**FOLLOW UP TO VALID CONCLUSIONS FROM THE MEVA TMG/30 MEETING**

Conclusions	Description	Remarks	Status
<b>ANI/WG Valid Conclusions related to MEVA III</b>			
<b>ANI/WG/3/3 - PROTECTION AND RECOGNITION OF C BAND SPECTRUM USAGE</b>	<p>That, in order to take the technical and regulatory actions to support existing and future operation of the fixed satellite service earth stations within the band 3 400 – 4 200 MHz, as an aid to the safe operation of aircraft and reliable distribution of meteorological information in some States, NAM/CAR States take the appropriate measures in order to ensure the protection of the satellite C-band operated by the National and Regional VSAT networks:</p> <p>a) registration of the aeronautical VSAT frequencies in the States register held by the national authorities of regulation of telecommunication; and</p> <p>b) follow-up with the concerned authorities in the States to further register the frequencies in the ITU Master International Frequency Register (MIFR) by February 2017.</p>	<p>WP/09 provides more information for the discussion of the TMG/31</p>	<p>Valid</p>
<b>ANI/WG/3/6 - AMHS IMPLEMENTATION PROCESS IN THE CAR REGION</b>	<p>That, to streamline the AMHS operational use, the States/Territories of the CAR Region, to:</p> <p>a) update accordingly the CAR Region Implementation Matrix by December 2016;</p> <p>b) take advantage of the ATN Data Link Implementation Application Workshop scheduled for 18 to 21 April 2016 in St Maarten to exchange information and progress on the implementation; and</p> <p>c) carry on with the additional task of testing the transmission of XML data through AMHS system, coordinating these activities with the AMHS TF.</p>	<p>To be discussed in the Meeting on the use of AMHS System</p>	<p>Valid</p>

Conclusions	Description	Remarks	Status
<b>MEVA TMG Valid Conclusions</b>			
<b>TMG/30/1 - MEVA III MASTER/SLAVE SWITCHING- NETWORK ACCEPTANCE TEST</b>	That in order to complete the NAT for the MEVA III, Frequentis report the actions scheduled for the MST/Slave switching by 9 June 2015.	NAT was completed on November 16 2015.	Completed
<b>TMG/30/2 - MEVA III ON-THE-JOB TRAINING</b>	That in order to improve and complete the OJT for MEVA III, Frequentis:  a) provide a one day OJT free of charge to all MEVA Members during the 2016 annual maintenance visit; and  b) inform Panama on the OJT provision by 6 June 2015.	Panama OJT was performed during annual maintenance visit on April 14 2016.	a) Completed b) Completed
<b>TMG/30/3 - REMOVAL OF BILLS DUE TO ADDITIONAL HOURS DURING INSTALLATION</b>	That considering the clarifications made by the MEVA Members:  a) remove all bills to the MEVA Members related to the additional hours during installation; and  b) MEVA Members be aware of item a) and refuse any bill related to this concept.	Completed	MEVA Members to verify during meeting
<b>TMG/30/4 - PAYMENT OF MEVA III SERVICE BILLS</b>	That MEVA Members, who have not yet done so, review and make the necessary payments for the MEVA III Service bills, contacting Frequentis for this coordination by 5 June 2015.	Completed	Completed
<b>TMG/30/5 - CREDITS FOR BUC REPLACEMENT AND INSTALLATION MATERIALS</b>	That, considering the pending actions to complete the MEVA III installation, Frequentis  a) provide Aruba, Dominican Republic and COCESNA a 25% credit for the equipment leased cost until the final CPI BUC is installed or the installation of 2nd BUC;  b) provide new power strip to Aruba MEVA node by the next annual maintenance visit; and  c) provide an answer on material reimbursement for Dominican Republic by 12 June 2015.	a) Credit received b) Power strip in Aruba installed during the last maintenance visit in April 2016 c) Completed	a) Completed b) Completed c) Completed
<b>TMG/30/6 - CPI BUC REPLACEMENT</b>	That in order to ensure that the MEVA III BUCs are the final updated versions from CPI manufacturer; Frequentis inform and publish in the MEVA III Website the BUC serial numbers by 6 June 2015.	a) Serial numbers are available at the MEVA Web page: b) Cuba license granted around April 29 2016. Frequentis/Frequentis awaiting response from Cuba on installation coordination	a) Completed b) Pending response from Cuba for installation

Conclusions	Description	Remarks	Status
<b>MEVA TMG Valid Conclusions</b>			
<b>TMG/30/7 - AERONAUTICAL MESSAGE HANDLING SYSTEM (AMHS) DATA CIRCUIT STRESS TEST</b>	That, in order to ensure the correct operation and capacity performance of the AMHS circuit, Dominican Republic and United States coordinate a Stress test for the AMHS Data Circuit by 30 June 2015, with the support of Frequentis.	Stress test completed	Completed
<b>TMG/30/8 - BUC REPLACEMENT IN ATLANTA</b>	That, in order to restore the redundancy and final configuration of the Atlanta MEVA III Node, Frequentis and United States coordinates the 5-hour maintenance window needed to replace all the Terrasat BUCs with CPI final BUCs by 6 June 2015.	Replacement completed	Completed
<b>TMG/30/9 - ERLANG B BLOCK PROBABILITY INFORMATION</b>	That, in order to provide accurate information on the MEVA III Erlang Block Probability, Frequentis:  a) draft a method for this calculation by 30 July 2015;  b) submit the method to the MEVA III TF for its corresponding review and approval; and  c) include the bandwidth availability and the Erlang B Block probability by the August 2015 Monthly report.	b) completed on 8/25/2015	a) Completed b) Completed c) Completed
<b>TMG/30/10 - MEVA NOC IMPROVEMENTS</b>	That, in order to resolve the different difficulties encountered in the NOC service, FREQUENTIS, by 2 June 2015:  a) implement a dedicated phone line in Miami, United States NOC for MEVA;  b) implement the proposed improvements;  c) complete guidelines and submit them to Members by 2 June 2015; and  d) implement a Quality assurance procedure for the NOC performance and the results of this procedure be shown in the monthly reports for two months.	a) completed b) Completed c) Available on MEVA Web site d) Members informed via email about dedicated lines. Information also available on MEVA Web page.	a) Completed b) Completed c) Completed d) Completed
<b>TMG/30/11 - COST SHARING PROCEDURE FOR ADDITIONAL MEVA III CIRCUITS</b>	That Members approve the Procedure for Cost Sharing for new Additional MEVA III Circuits as presented in Appendix D to this report.		Completed
<b>TMG/30/12 - COMPLETION OF PRICING ASSOCIATED DOCUMENT TO COST SHARING PROCEDURE</b>	That in order to complement the pricing and conditions for new additional MEVA III circuit implementation, Frequentis provides the updated Price and Conditions document to the MEVA III Task Force by 5 June 2015.	Completed by MEVA TMG Task Force	Completed

Conclusions	Description	Remarks	Status
<b>MEVA TMG Valid Conclusions</b>			
<b>TMG/30/13 - FREQUENTIS IMPROVEMENT TO MEVA III COORDINATION, COMMUNICATION AND QUALITY TECHNICIAN SUPPORT</b>	<p>That, in order to improve the coordination and communication by Frequentis on the provision of the MEVA III service, Frequentis:</p> <p>a) continuously train its technical staff related to the MEVA III on the MEVA III equipment and services; and</p> <p>b) implement an internal quality system in order to measure the technical competence of its NOC staff.</p>	<p>a) On going effort</p> <p>b) Completed</p>	<p>a) Completed</p> <p>b) Completed</p>
<b>TMG/30/14 - RESTORATION OF JAMAICA SKYWAN SPARE MODEM</b>	<p>That, in order to restore the Jamaica local spare pool, Frequentis contact the freight forwarder to get the written proof of successful delivery by 3 June 2015.</p>	<p>Jamaica informed Frequentis that spare SkyWAN was received</p>	<p>Completed</p>
<b>TMG/30/15 - MEVA III DOCUMENTATION REVIEW</b>	<p>That, in order to make the MEVA III final documentation available, and to complete the revision of the pending MEVA III documents, Frequentis:</p> <p>a) upload all the latest SDD documentation and the NOC PoC list to the MEVA III website by 12 June 2015;</p> <p>b) provide the final MEVA III/REDDIG II Interconnection documents (SDD Chapter 1 Annex 2 and 3) as soon as this Interconnection is completed and documented by 12 June 2015 for the MEVA III Task Force review; and</p> <p>c) provide the Erlang B calculation to the MEVA III Task Force for review and recommend approval by 24 July 2015.</p>		<p>a) Completed</p> <p>b) Completed</p> <p>c) Completed</p>
<b>TMG/30/16 - MEVA III TASK FORCE PENDING TASKS</b>	<p>That, in order to follow-up the pending implementation tasks, the MEVA III Task Force:</p> <p>a) conclude the review of the SDD Documentation (Chapter 9 – Security Plan, Chapter 13 – Glossary, Maintenance Plan, As-Built Documentation, NOC Operational Manual, Contingency Procedures) by 19 June 2015; and</p> <p>b) ensure that NAT is performed and documented (NAT tentatively scheduled for 26 June 2015).</p>	<p>a) As SDD documentation completed and on Web site</p> <p>b) NAT completed on Nov 2015</p>	<p>Completed</p>

Conclusions	Description	Remarks	Status
<b>MEVA TMG Valid Conclusions</b>			
<b>TMG/30/17 - BAHAMAS POINT-OF-CONTACT FOR NOC OPERATION</b>	That, in order to complete and have all the necessary contact information for the MEVA III NOC Operation and coordination, Bahamas send its Point of Contact information to Frequentis by 12 June 2015.	Frequentis has not received contact details from <ul style="list-style-type: none"> <li>• Nassau</li> <li>• Colombia</li> <li>• Venezuela</li> </ul>	Action Pending, States to provide information.
<b>TMG/30/18 - FOLLOW-UP TO MEVA III-REDDIG II INTERCONNECTION MEMORANDUM OF UNDERSTANDING</b>	That MEVA Members approve the MEVA III/ REDDIG II Interconnection Memorandum of Understanding as presented in Appendix D and monitor the proper implementation of this commitment.		Completed
<b>TMG/30/19 - ADDITIONAL CIRCUITS FOR MEVA III-REDDIG II INTERCONNECTION</b>	That, in order to start and timely prepare the technical and cost matters for the implementation of new circuits related with the MEVA III-REDDIG Interconnection: <p>a) MEVA Members involved in the additional circuits listed in Table 1 confirm the need of these circuits by 30 June 2015;</p> <p>b) ICAO inform the REDDIG Administration of the agreed cost-sharing procedure for additional circuits that will apply;</p> <p>c) MEVA Members inform by 30 June 2015 of any additional circuit related with the interconnection; and</p> <p>d) MEVA TMG coordinate through teleconferences with the REDDIG II Administration the necessary actions for the implementation of additional circuits.</p>	Proposed ad hock meeting between Members involved during TMG/31 Meeting	Pending
<b>TMG/30/20 - COMPLETION OF MEVA III-REDDIG II INTERCONNECTION CIRCUIT IMPLEMENTATION</b>	That in order to track the completion of the implementation of the MEVA III- REDDIG II circuits, United States, COCESNA and Frequentis report the MEVA Members on the progress made in this matter by 16 June 2015.	United States, COCESNA and Frequentis to report.	Pending
<b>TMG/30/21 - ACTIONS FOR MEVA III-E/CAR AFS NETWORK INTERCONNECTION</b>	That, in order to track and timely assist the implementation of the MEVA III-E/CAR AFS Networks interconnections, Sint Maarten and United States inform the TMG of the accomplishment of the agreed actions of the Teleconference of 26 May 2015 by 30 June 2015.	Interconnection was successfully implemented Nov. 2015	Completed

Conclusions	Description	Remarks	Status
<b>MEVA TMG Valid Conclusions</b>			
<b>TMG/30/22 – STATE SUPPORT FOR ICAO WRC-2015 POSITION, ITU VERY SMALL APERTURE TERMINAL (VSAT) NODE REGISTRATION AND INTERFERENCE NOTIFICATION PROCEDURE</b>	<p>That, in order to protect the use of the radiofrequency spectrum for aviation usage and the timely MEVA III VSAT Node registration in ITU Master International Frequency Register (MIFR) and Frequency interference follow-up:</p> <p>a) MEVA Members:</p> <ul style="list-style-type: none"> <li>i. to coordinate with their National Spectrum Regulator, the support to be provided to the ICAO WRC-2015 Position for the Ottawa CITEL XXVI PCC.II Meeting - August 2015 (Ottawa, Canada);</li> <li>ii. take in consideration the ITU study carried out for the MEVA III Network, coordinating with their National Spectrum Regulators; and</li> <li>iii. register their corresponding MEVA III Node in the ITU MIFR by 30 December 2015;</li> </ul> <p>b) Frequentis:</p> <ul style="list-style-type: none"> <li>i. notify the final working frequency to each MEVA Member node by 15 June 2015; and</li> <li>ii. propose a procedure for the timely frequency interference notification and resolution for MEVA III by 30 December 2015.</li> </ul>	<ul style="list-style-type: none"> <li>a) MEVA Members to report</li> <li>b) Bi – Frequentis sent email to MEVA Members on Sept 23 2015 Bii – Completed – Frequentis informed by updates on MEVA Web page and parallel email notification. Swapped carrier into a frequency slot where Intelsat assures to have no problem</li> </ul>	<ul style="list-style-type: none"> <li>a) MEVA Members to report during meeting</li> <li>b) Completed</li> </ul>
<b>TMG/30/23 - DATA MIGRATION OF ICAO MEVA II SECURE PORTAL</b>	<p>That in order to maintain and keep a common source of MEVA III information in benefit of all MEVA Members, the MEVA III TF:</p> <p>a) review existing MEVA III secure portal and the former MEVA II Website to determine the relevant data to be migrated; and</p> <p>b) coordinate with Frequentis to update the MEVA III website with the information provided by the MEVA III TF by 30 August 2015.</p>		Completed

Conclusions	Description	Remarks	Status
<b>MEVA TMG Valid Conclusions</b>			
<b>TMG/30/24 - MEVA III LOCAL MONITORING WITH SNMP</b>	<p>That in order to maintain and keep a common source of MEVA III information in benefit of all MEVA Members:</p> <p>a) MEVA Members evaluate, if required, their local monitoring needs for local MEVA III node monitoring;</p> <p>b) MEVA Members agree to implement this MEVA III local monitoring to inform the MEVA TMG and ICAO of this requirement; and</p> <p>c) Frequentis assist free of charge the MEVA Members in this monitoring implementation.</p>	TMG Coordinator send message to Members requesting updates and report during the TMG/31 Meeting	Pending

— END —