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

WORKING PAPER

NACC/WG/5 — WP/23
19/04/17

Fifth North American, Central American and Caribbean Working Group Meeting (NACC/WG/5)
Port of Spain, Trinidad and Tobago, 22-26 May 2017

Agenda Item 3 **Implementation on Air Navigation Matters**
3.4 AGA and MET progress and other regional implementation groups
3.4.3 MEVA and Eastern Caribbean Civil Aviation Technical Group (E/CAR/CATG), Eastern Caribbean Aeronautical Fixed Service Network Technical Group (E/CAR AFS NTG) Meeting reports

MEVA TECHNICAL MANAGEMENT GROUP (TMG) REPORT

(Presented by MEVA TMG Rapporteur)

EXECUTIVE SUMMARY

This Working Paper presents the MEVA III Network implementation activities. The MEVA Network is the regional telecommunication network serving as the Communication, Navigation and Surveillance infrastructure for air navigation and as the future Aeronautical Telecommunication Network (ATN) for the CAR Region.

Action:	Suggested actions are presented in Section 3.
Strategic Objectives:	• Safety • Air Navigation Capacity and Efficiency • Economic Development of Air Transport
References:	• Thirty first MEVA Technical Management Group Meeting (MEVA/TMG/31) Report, Kingston, Jamaica, 24 to 26 May 2016 • Third NAM/CAR Air Navigation Implementation Working Group Meeting (ANI/WG/3) ATS Message Handling System (AMHS) Implementation Task Force Report

1. Introduction

1.1 The MEVA III Network implementation was successfully completed 31 March 2015 with nodes located at the following sites:

- Miami, Florida, United States
- Atlanta, Georgia, United States
- Nassau, Bahamas
- Freeport, Bahamas
- COCESNA (Tegucigalpa, Honduras)
- Grand Cayman, Cayman Islands
- San Juan, Puerto Rico
- Panama City, Panama
- Havana, Cuba
- Willemstad, Curacao
- Port-au-Prince, Haiti
- Oranjestad, Aruba
- Kingston, Jamaica
- Merida, Mexico
- Santo Domingo, Dominican Republic
- Phillipsburg, Sint Maarten

1.2 Additionally, MEVA III equipment was installed at the REDDIG sites in Bogota, Colombia and Caracas, Venezuela in order to complete the MEVA III and REDDIG interconnection.

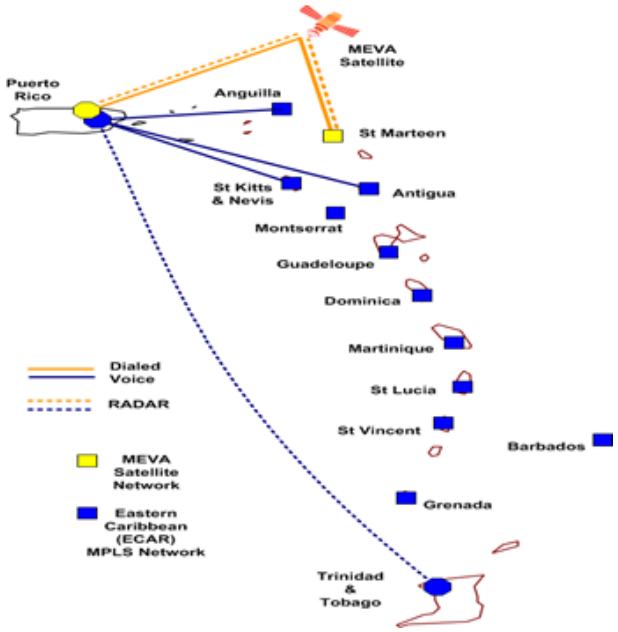
1.3 On 29 October 2015, MEVA Members received a letter indicating that COMSOFT GmbH filed for insolvency proceedings. The company was acquired by Frequentis in January 2016. The name COMSOFT remained and service has been unaffected. Frequentis acquired from COMSOFT all MEVA related duties and obligations regarding the satellite services (INMARSAT) to guarantee no interruption for all services.

2. Discussion

2.1 The aeronautical telecommunication services transitioned to MEVA III network on March 2015 include:

- Air Traffic Control (ATC) voice telecommunication services between Area Control Centers (ACCs)
- Messaging services (Flight plans, notice distributed by means of telecommunication (NOTAMs), Air traffic services inter-facility data communication (AIDC), etc.)
- Radar data sharing services
- Remote radio connectivity services

2.2 The interconnection in San Juan, Puerto Rico between MEVA III station located in Sint Maarten and E/CAR Network station located in PIARCO, Trinidad andTobago was also completed on November 2015. This interconnection allows Sint Maarten to better communicate with Anguilla, Antigua and Barbuda, and Saint Kitts and Nevis through the E/CAR Network.



2.3 MEVA III Network allows the Central Caribbean (C/CAR) Civil Aviation Authorities (CAAs) to continue transitioning older systems to newer IP based systems; implement new services such as radar sharing and remote radios while maintaining cost at the sustainable level. Radar data is being shared between Cuba and Jamaica, and coordination is in process between Jamaica and COCESNA to exchange radar.

2.4 The MEVA III Network also supports all the Aeronautical Telecommunication Network (ATN) requirements for the CAR Region with its interconnection with the adjacent ICAO regions in a cost-effective way. The Network also continues to be a bandwidth efficient Network.

2.5 Since the implementation completion in 2015 of MEVA III Network, Cuba, Sint Maarten, Trinidad and Tobago, and COCESNA have successfully completed their transition from aeronautical fixed telecommunication network (AFTN) to ATS Message Handling System (AMHS) through the MEVA Network.

3. Conclusion

3.1 The Meeting is invited to

a) review and make note of the information presented in this working paper; and

b) take necessary action as appropriate.

— END —