



ICAO

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

WORKING PAPER

E/CAR/NTG/9 & E/CAR/RD/7 — WP/07
08/07/20

**Ninth Eastern Caribbean Network Technical Group (E/CAR/NTG/9) and
Seventh Eastern Caribbean Radar Data Sharing Ad hoc Group (E/CAR/RD/7) Meetings**
On-line, 14 and 15 July 2020

**Agenda Item 3: E/CAR Aeronautical Fixed Services (AFS) Network Performance and Operation
3.2 E/CAR Network Integration to the MEVA IV telecommunications
network**

DEVELOPMENT OF THE NEW REGIONAL TELECOMMUNICATIONS NETWORK PROJECT

(Presented by the MEVA/TMG Coordinator)

EXECUTIVE SUMMARY	
This Working Paper provides information on the development of the new regional telecommunications network Project that will replace the current MEVA III network.	
Action:	Suggested actions are presented 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">• Ninth North American, Central American and Caribbean Directors of Civil Aviation Meeting, Conclusion NACC/DCA/09/16.• Report Thirty Fourth MEVA Technical Management Group Meeting (MEVA/TMG/34)

1. Introduction

1.1 This Working Paper provides information on the development of the new regional telecommunications network Project that will replace the current MEVA III network.

1.2 Decision NACC/DCA/09/16 of the Ninth North American, Central American and Caribbean Directors of Civil Aviation Meeting (NACC/DCA/09), held in Port of Spain, Trinidad and Tobago, in June 2019 requested to facilitate the execution of the Project so that the new telecommunications network is operative at the end of the contract of the current network in March 2022.

1.3 The MEVA Telecommunication Management Group (TMG) created an Ad-Hoc group to write the Request for Information (RFI) and proceed with its execution. This action was approved during the Thirty Fourth MEVA Technical Management Group (MEVA/TMG/34) held in Miami, FL on June 2019.

2. Discussion

2.1 Fully operational in 2015, the MEVA III Network provides Ground-to-Ground ATS voice and data telecommunications between ATC Centers throughout the geographical region of the Central Caribbean (CAR). This region covers an area bounded to the north by the United States, to the South by Colombia and Venezuela, to the west by Mexico and Central America, and goes as far east as Saint Maarten.

2.2 The scope of this new Network RFI is to explore solutions currently offered by the telecommunication industry that would meet the requirements of the MEVA community regarding equipment renewal/update of the current MEVA III network and potential expansion of the offered bandwidth to accommodate future services. The RFI seeks technical information for new technologies and solutions for terrestrial and/or satellite-based telecommunication voice and data network services between ATC Centers throughout the geographical region of the Central Caribbean (C/CAR).

2.3 The new Network shall also be capable of supporting additional CAR/SAM users, who may not be initial signatory members of the ICAO Agreement for the new network, whenever required by ICAO.

2.4 The core network infrastructure will support a private IP-based network for both voice and data. Legacy services requiring connectivity will use a Protocol Converter.

2.5 The new Network must be able to establish gateway connectivity to neighboring networks in the region. Area network connectivity may consist of fiber, VSAT and copper terrestrial networks. The physical interconnection between networks shall be accomplished at an authorized designated demarcation or at the (CAA) communications facility.

2.6 During the Thirty Fifth MEVA Technical Management Group Extraordinary Meeting (MEVA/TMG/35) held on line from 27 to 28 April 2020, the following was approved

- a) The Request for Information (RFI) was reviewed and approved by all MEVA Members and International Organizations.
- b) The fourth generation of MEVA will operate with the name “Caribbean Air Navigation Services Network (CANSNET)”.
- c) The RFI should be published in July 2020 through the new ICAO platform, using the ICAO Procurement Portal, at no cost to MEVA Member States.

2.7 Please note that the existing interconnections through MEVA Network between Central Caribbean and Eastern Caribbean will not be affected by the new CANSNET Network. Those interconnections have been included in the RFI as requirements and will continue unaffected.

3. Suggested Action

3.1 The meeting is invited to:

- a) take note of the information provided in this working paper, and;
- b) provide support as required during transition to CANSNET.

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