



ICAO

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WORKING PAPER

(E/CAR/NTG/6 & E/CAR/RD/4) WP/10
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Sixth Eastern Caribbean Network Technical Group (E/CAR/NTG/6) and Fourth Eastern Caribbean Radar Data Sharing Ad-hoc Group (E/CAR/RD/4) Meetings
Miami, United States, 13 - 14 July 2015

Agenda Item 3: E/CAR Aeronautical Fixed Service (AFS) Network Performance and Operation
3.3 E/CAR AFS Network interconnection to the MEVA Network

MEVA II-E/CAR AFS NETWORK INTERCONNECTION ACTIVITIES

(Presented by MEVAIII TMG Coordinator)

EXECUTIVE SUMMARY	
This Working paper presents the progress and results of the work of the E/CAR/NTG and the MEVA Technical Management Group (TMG) regarding the E/CAR – MEVA III interconnectivity.	
Action:	The suggested actions are given 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">• Thirtieth MEVA Technical Management Group Meeting (MEVA/TMG/30) Oranjestad, Aruba, 27 to 29 May 2015

1. Introduction

1.1 During the MEVA III TMG/30 Meeting in Oranjestad, Aruba May 27-29, 2015 and under Conclusion 30/21 – ACTION FOR MEVA III – E/CAR AFS NETWORK INTERCONNECTION – it was agreed that in order to track and timely assist the implementation of the MEVA III-E/CAR AFS Network interconnection, Sint Maarten and United States would inform the TMG of the accomplishment of the agreed action by 30 June 2015.

1.2 The interconnectivity will allow Sint Maarten to share their RADAR with Trinidad and Tobago as part of the RADAR feeds that will support the RADAR Data Service project implemented in the E/CAR States/Territories as well as analogue voice lines from Sint Maarten, to Anguilla, Saint Kits and Antigua.

1.3 A Teleconference between Representatives from all three mentioned States was held on 23 June 2015 to further coordinate the implementation. Outcomes from the teleconference are shared in this Working Paper.

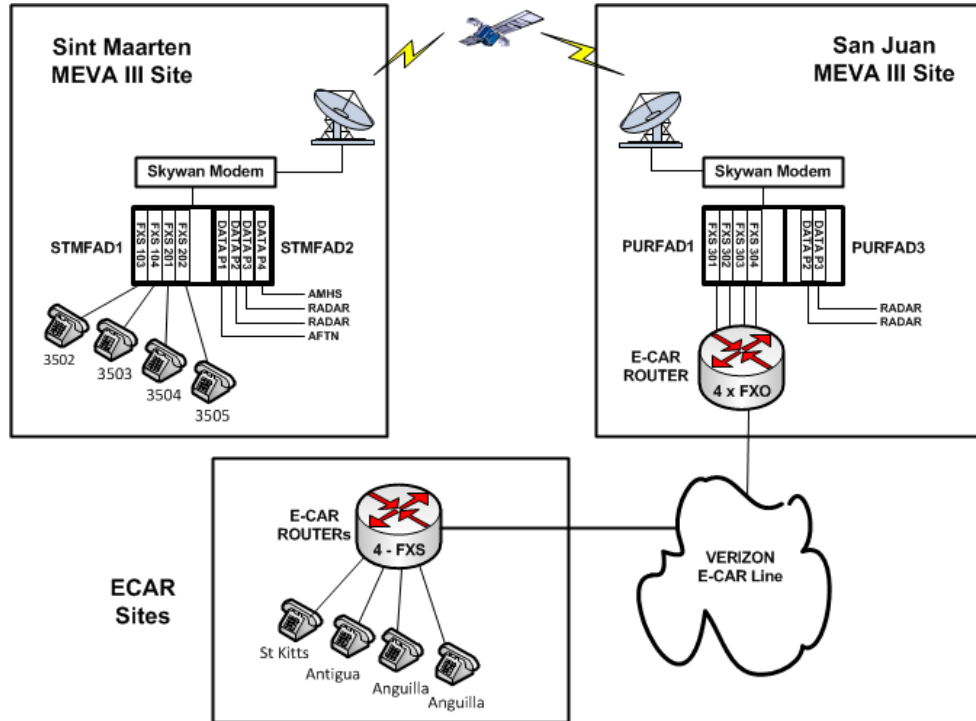
2. Discussion

2.1 Coordination between representatives from St Maarten, Trinidad and Tobago, and United States Federal Aviation Administration has been carried out in order to the achieve the implementation of the following requirements:

	ATS Units	Technical details
SINT MAARTEN/ JULIANA APP	Anguilla (Clayton J. Lloyd International)	2 PBX service from ECAR-analogue voice line
	Antigua (V. C. Bird APP)	1 PBX service from ECAR-analogue voice line
	Saint Kitts (Robert L. Bradshaw TWR)	1 PBX service from ECAR-analogue voice line
	San Juan ACC/PIARCO ACC	1 Serial line, RS232, radar circuit

2.2 Following are the results of the technical discussions carried out during the teleconference. Note that discussions only focus around the voice requirements.

- The group agreed on implementing four telephone/stations at Sint Maartin. These four stations will be dedicated to the E/CAR network and will not be able to reach other stations on the MEVA network;
- It was agreed that each Sint Maartin station will have a direct connection to an E/CAR station (1 to St.Kitts, 1 to Antigua, and 2 to Anguilla). Similarly, each of the E/CAR stations will be directly connected to the equivalent Sint Maarten station.
- Representatives from Sint Maarten and Trinidad and Tobago agreed that connections in both directions will function as Automatic Ring Down (ARD). An off-hook condition will initiate the connection; no user-supplied digits will be needed.
- Trinidad and Tobago pointed out that Foreign Office Exchange (FXO) cards were already populated in the E/CAR router at San Juan. The ready availability of similar equipment would expedite the schedule.
- There was agreement on the following equipment implementation/operation
 - Four Foreign Exchange Station (FXS) cards will be required at the MEVA III Multiplexer in San Juan. These cards are already installed.
 - Four FXO cards will be required at the E/CAR Router in San Juan. T&T will deliver the cards to San Juan.



2.3 The following action items are outcomes from the teleconference:

- 1) T&T to deliver FXO cards for implementation at San Juan E/CAR Router. Delivery date still in coordination between FAA and T&T
- 2) *FAA to complete necessary wiring in San Juan between E/CAR router and MEVA III.*
- 3) *T&T (TSTT) to complete configuration and coordinate with Sint Maarten*
- 4) *COMSOFT to establish automatic connection functionality between Sint Maarten stations and the dedicated E/CAR stations at San Juan.*
- 5) *All parties involved to coordinate testing once equipment is installed and wiring completed.*

2.4 Members from Sint Maarten, T&T and FAA agreed to have an ad hoc meeting during the E/CAR NTG/6 to finalize the implementation.

3. Suggested actions

3.1 The meeting is invited to

- a) take note of the information presented in this working paper, and
- b) agree to any other action in support of completing the implementation.