



FREQUENTIS

FOR A SAFER WORLD

ATM Networks
MEVA TMG31 - Jamaica
2016

Agenda Item 4.1

MEVA III – REDDIG II Interconnection

Involved stations:

- Colombia
- Honduras
- Venezuela

Interaction MEVA III PM & REDDIG PM:

- There has been a good relationship established
- All work questions / co-ordinations performed in harmony

Agenda Item 4.1

MEVA III – REDDIG II Interconnection

Colombia:

- Voice circuits
 - No notable outages
- PAD circuits
 - From time to time the circuits locked in one direction (sync).
 - Control mechanism PAD (every packet needs to be acknowledged) – no “autoreset” function available – manual intervention by FRQ NOC needed
 - Manaus successfully tested (March 9th 2016)
 - Circuit still not operational

Agenda Item 4.1

MEVA III – REDDIG II Interconnection

Venezuela:

- Station
 - Faced several power outages in the last two month
 - No feedback from customer on requests
 - Possibly because of political / economical situation
- Voice circuits
 - No notable outages
 - VHF circuits needs some focusing
 - FXS Interface in Venezuela – signaling dropped
- PAD circuits
 - From time to time the circuits locked in one direction (sync).
 - Control mechanism PAD (every packet needs to be acknowledged) – no “autoreset” function available – manual intervention by FRQ NOC needed

Agenda Item 4.1

MEVA III – REDDIG II Interconnection

Honduras:

- Station:
 - Many CRC errors seen – no effect on data / voice availability
 - BUC identified as root cause
 - Replaced in April 2016 – no more CRC errors seen
 - REDDIG II complaining RX signal degradation from time to time
 - Problem not measurable / seen at MEVA SkyWAN
 - REDDIG going to test further (lot of local WIFI interference possible on REDDIG frequency channel)
- Voice circuits
 - No notable outages
- Data circuits
 - No notable outages

Agenda Item 4.2

MEVA III – Eastern Caribbean (E/CAR) Aeronautical Fixed Service (AFS) Network Interconnection

E/CAR voice lines schematic:

V/F PP	ECAR Router				ECAR		ECAR		Ext.	Destination	
	Rack 7 TB-6A Pos.	Rack 7 TB-6B Pos.	V/F PP	Rack 7 TB-5B Pos.	BIX Block	ECAR Card	ECAR Port	FXO Ext.			
	9	19		19		EHWIC3 FXO [6]	0/3/2	x1872	<->	x1801-1802	St Maarten calls Anguilla on 1801 Anguilla calls St Maarten on 1872 (these ring at dedicated positions)
	10	20		20		EHWIC3 FXO [6]	0/3/3	x1873	<->	x1801-1802	St Maarten calls Anguilla on 1802 Anguilla calls St Maarten on 1873 (these ring at dedicated positions)
	11	21		21		EHWIC3 FXO [6]	0/3/0	x1870	<->	x7000-7003	St Maarten calls Antigua on 7000-7003 Antigua calls St Maarten on 1870
	12	22		22		EHWIC3 FXO [6]	0/3/1	x1871	<->	x7301-7302	St Maarten calls St Kitts on 7301-7302 St Kitts calls St Maarten on 1871

Agenda Item 4.2

MEVA III – Eastern Caribbean (E/CAR) Aeronautical Fixed Service (AFS) Network Interconnection

E/CAR voice lines issues:

- High delay complain
 - MEVA circuits measured OK
 - Problems to get feedback from E/CAR

- Anguilla not reachable
 - MEVA circuits measured OK
 - Problems to get feedback from E/CAR

Agenda Item 4.3

Requirement for new MEVA III circuits

New services requests:

- AMHS 64k Atlanta <> COCESNA
 - Offer under preparation
- AMHS 64k Atlanta <> Panama
 - Offer under preparation
- New station BVI
 - BVI invited to TMG31
 - To be further discussed
- Panama requests local SNMP monitoring access

Agenda Item 4.3

Requirement for new MEVA III circuits

On-going implementations:

- St. Maarten
 - Test of radar circuits to PUR
 - Implementation of new cadmos line cards for Atlanta AFTN

vitalsphere: ATM-grade network performance

Intelligent routing	vitalsphere Safety & security Highest performance TCO	99,9999% Highest service availability		
Scalable networking Multi-technology and multi-vendor	Situational awareness NW mgmt.	20ms		Act before fail End-to-end application performance monitoring (brown-out detection)
	Path diversity Determine the optimal and most secure route through your hybrid network – based on active backbone performance measurements	Up to 90% bandwidth savings Optimizing bandwidth utilization and operational cost		