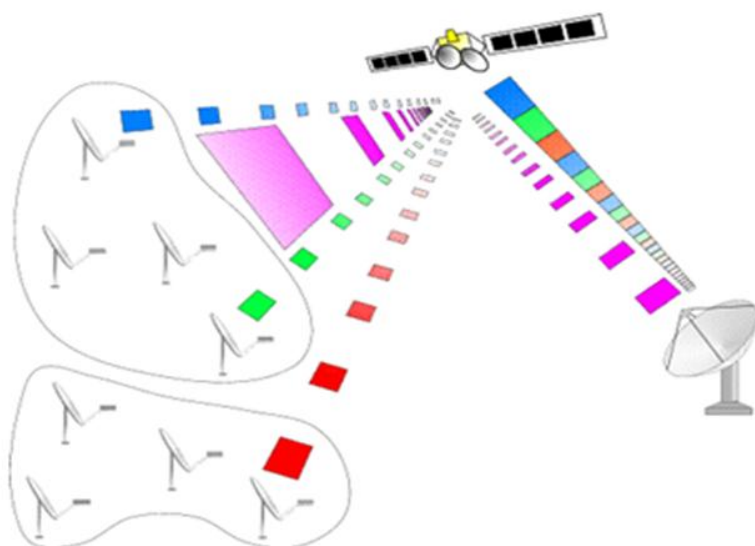


Monthly report and statistics for

ICAO

MEVA III satellite network



delivered by

COMSOFT GmbH
Wachhausstrasse 5a
76227 Karlsruhe
Phone +49 721 9497 - 0
Fax +49 721 9497 - 129

COMSOFT



Copyright © 2014 by COMSOFT GmbH

Business Confidential/COMSOFT Proprietary

This document includes data that shall not be duplicated, used, or disclosed - in whole or in part - for any purpose other than to evaluate this proposal. If, however, a contract is awarded to this offer or as a result of - or in connection with - the submission of this data, the Customer shall have the right to duplicate, use, or disclose the data to the extent provided in the resulting contract. This restriction does not limit the Customer's right to use information in this data if it is obtained from another source without restriction. The data subject to this restriction are confidential in all pages of this document.

Business Confidential/COMSOFT Proprietary

MEVA III
Monthly Statistics for April, 2015

Trouble Tickets (Details)

Number	Ticket#	Title	Created	Close Time	State	Customer User	CustomerID
1	20150403101742	St Marteen link outage	2015-04-03 18:50:27	2015-04-04 13:45:06	closed successful		
2	20150410101964	AFTN - Haiti and St. Maarten	2015-04-10 13:39:35	2015-04-10 13:39:35	closed successful	StMaarten	meva-tmg@icao.int
3	20150413102046	Call from FAA reporting Miami Center - Haiti (Port Prince) issue	2015-04-13 16:41:22	2015-04-13 16:41:22	closed successful		
4	20150413102062	AFTN link Venezuela - Aruba not working	2015-04-13 21:44:02	2015-04-13 22:53:12	closed successful		Venezuela
5	20150414102073	San Marteen - Reset local AFTN equipment	2015-04-14 09:20:04	2015-04-20 16:57:04	closed successful	james.abdo@newcominternational.com	james.abdo@newcominternational.com
6	20150414102075	RE: San Marteen - Reset local AFTN equipment	2015-04-14 12:10:03		merged	lhinds@sxmairport.com	lhinds@sxmairport.com
7	20150415102123	Test ticket from ZMA	2015-04-15 14:10:17	2015-04-15 14:50:32	closed successful	MEVA_III_ZMA_SOC	meva-tmg@icao.int
8	20150416102151	Test	2015-04-16 19:42:31	2015-04-16 20:19:48	closed successful	Cuba	meva-tmg@icao.int
9	20150421102232	FTN connection down	2015-04-21 05:10:42	2015-04-21 07:41:03	closed successful	Panama	meva-tmg@icao.int
10	20150421102240	Communication down	2015-04-21 12:12:26	2015-04-21 13:48:20	closed successful	MEVA_III_SE	meva-tmg@icao.int
11	20150422102281	Voice Call Breaking	2015-04-22 23:05:54	2015-04-24 18:44:33	closed successful	MEVA_III_ZMA_SOC	meva-tmg@icao.int

Remarks:

- Ticket No:1

Customer reported having a complete link outage, while troubleshooting the problem, Customer confirmed to have made some changes on wires from RF unit. After readjusting cables finding the bad wired connection, link service was restored
- Ticket No:2

Several outages of AFTN connection due to bad local customer equipment (computer)
- Ticket No:3

A call was received from Miami center conducted by Mr. GM (only initials were given) reporting a problem with Haiti (Port au Prince). However, minutes later a call from GM is again received reporting that everything was running good.
- Ticket No:4

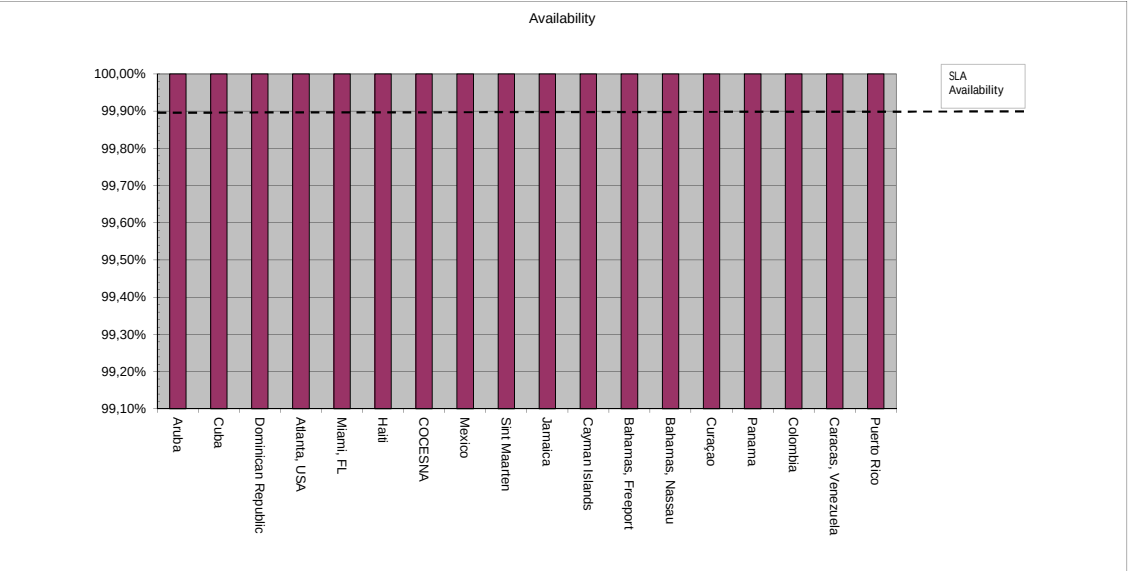
After Haiti and St. Maarten manually restarted their local application, message transfer has started again.
- Ticket No:9

The AFTN circuit seems to be working for 1h as stated by Atlanta. In that time frame the NMS for the VSAT did not show any outage
- Ticket No:10

See Ticket No.2
- Ticket No:11

No further reason discovered. FAD reset done.

Availability:



MEVA III

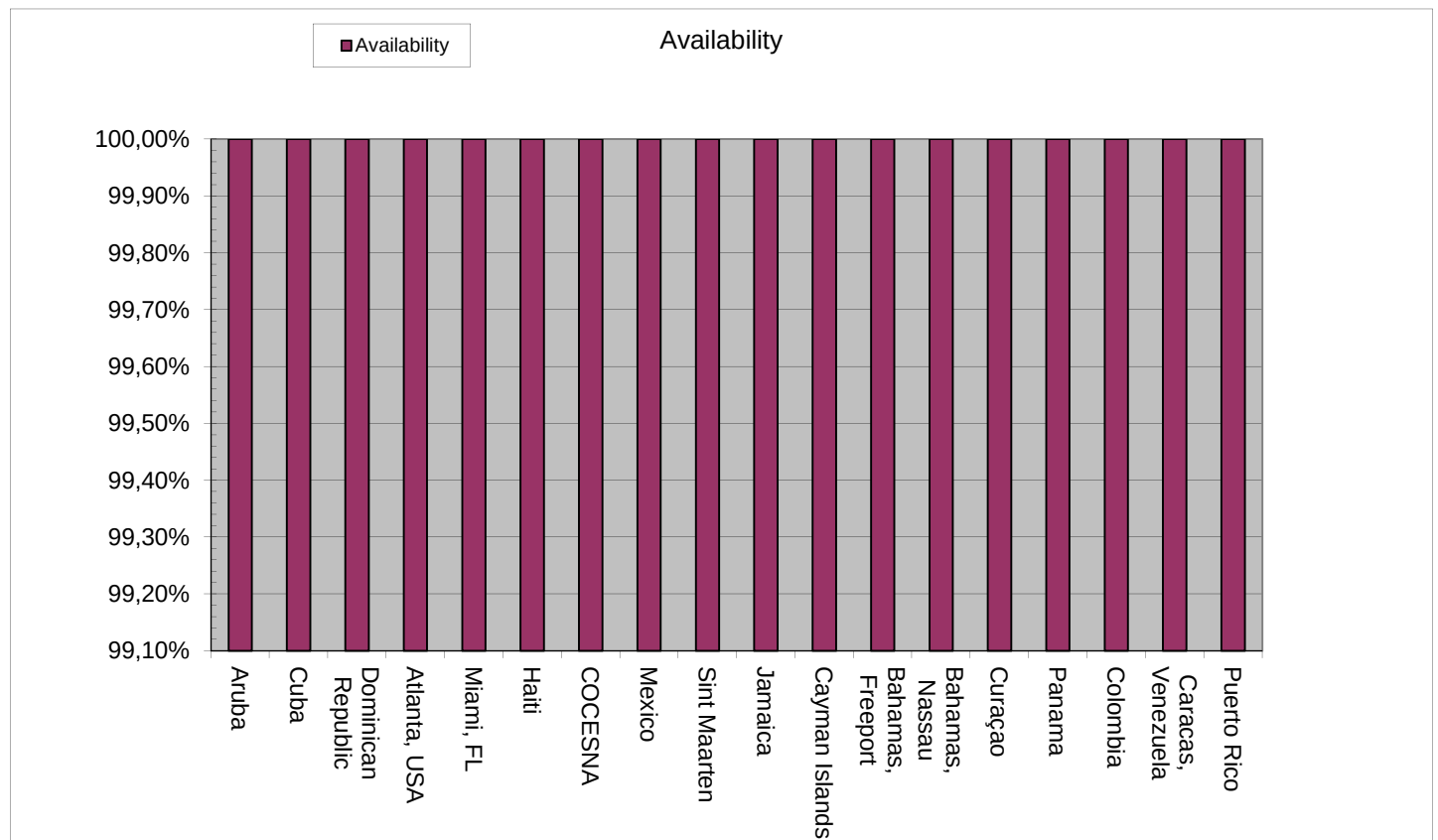
Monthly Statistics for April, 2015

Availability

No.	Link	Total Time	Outage Time [hh:mm]		Outage Time [h]		Availability	
			Total	COMSOFT	Total	COMSOFT	Total	COMSOFT
1	Aruba	720	00:00	00:00	0,00	0,00	100,00%	100,00%
2	Cuba	720	00:00	00:00	0,00	0,00	100,00%	100,00%
3	Dominican Republic	720	00:00	00:00	0,00	0,00	100,00%	100,00%
4	Atlanta, USA	720	00:00	00:00	0,00	0,00	100,00%	100,00%
5	Miami, FL	720	00:00	00:00	0,00	0,00	100,00%	100,00%
6	Haiti	720	00:00	00:00	0,00	0,00	100,00%	100,00%
7	COCESNA	720	00:00	00:00	0,00	0,00	100,00%	100,00%
8	Mexico	1	00:00	00:00	0,00	0,00	100,00%	100,00%
9	Sint Maarten	720	00:00	00:00	0,00	0,00	100,00%	100,00%
10	Jamaica	720	00:00	00:00	0,00	0,00	100,00%	100,00%
11	Cayman Islands	720	00:00	00:00	0,00	0,00	100,00%	100,00%
12	Bahamas, Freeport	720	00:00	00:00	0,00	0,00	100,00%	100,00%
13	Bahamas, Nassau	720	00:00	00:00	0,00	0,00	100,00%	100,00%
14	Curaçao	720	00:00	00:00	0,00	0,00	100,00%	100,00%
15	Panama	720	00:00	00:00	0,00	0,00	100,00%	100,00%
16	Colombia	1	00:00	00:00	0,00	0,00	100,00%	100,00%
17	Caracas, Venezuela	720	00:00	00:00	0,00	0,00	100,00%	100,00%
18	Puerto Rico	720	00:00	00:00	0,00	0,00	100,00%	100,00%

Remarks

Total time 672 h in February (28 days)
 696 h in February (29 days)
 720 h in months with 30 days
 744 h in months with 31 days

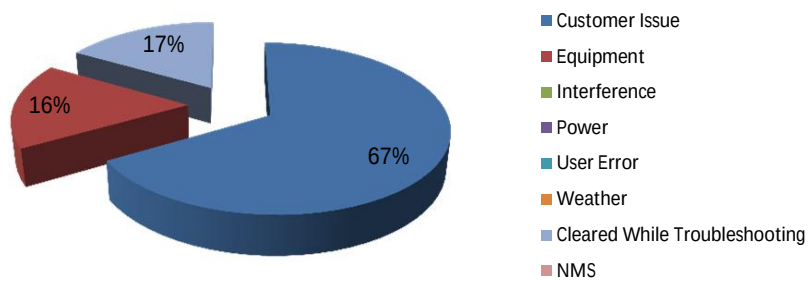
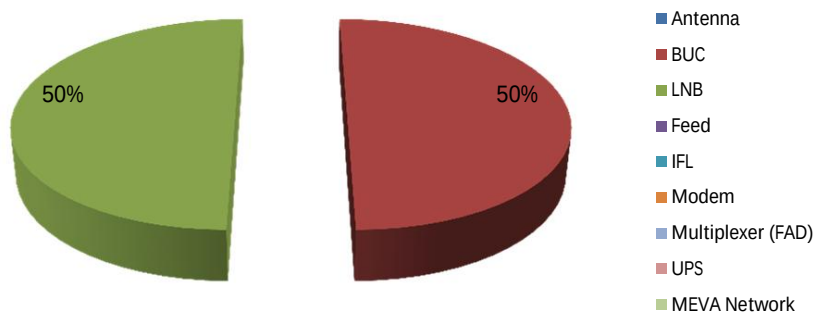


MEVA III

Monthly Statistics for April, 2015

RFO Breakdown

RFO	#	Equipment	#
Customer Issue	4	Antenna	
Equipment	1	BUC	1
Interference		LNB	1
Power		Feed	
User Error		IFL	
Weather		Modem	
Cleared While Troubleshooting	1	Multiplexer (FAD)	
NMS		UPS	
		MEVA Network	

RFO Breakdown**RFO Equipment Breakdown**

MEVA III

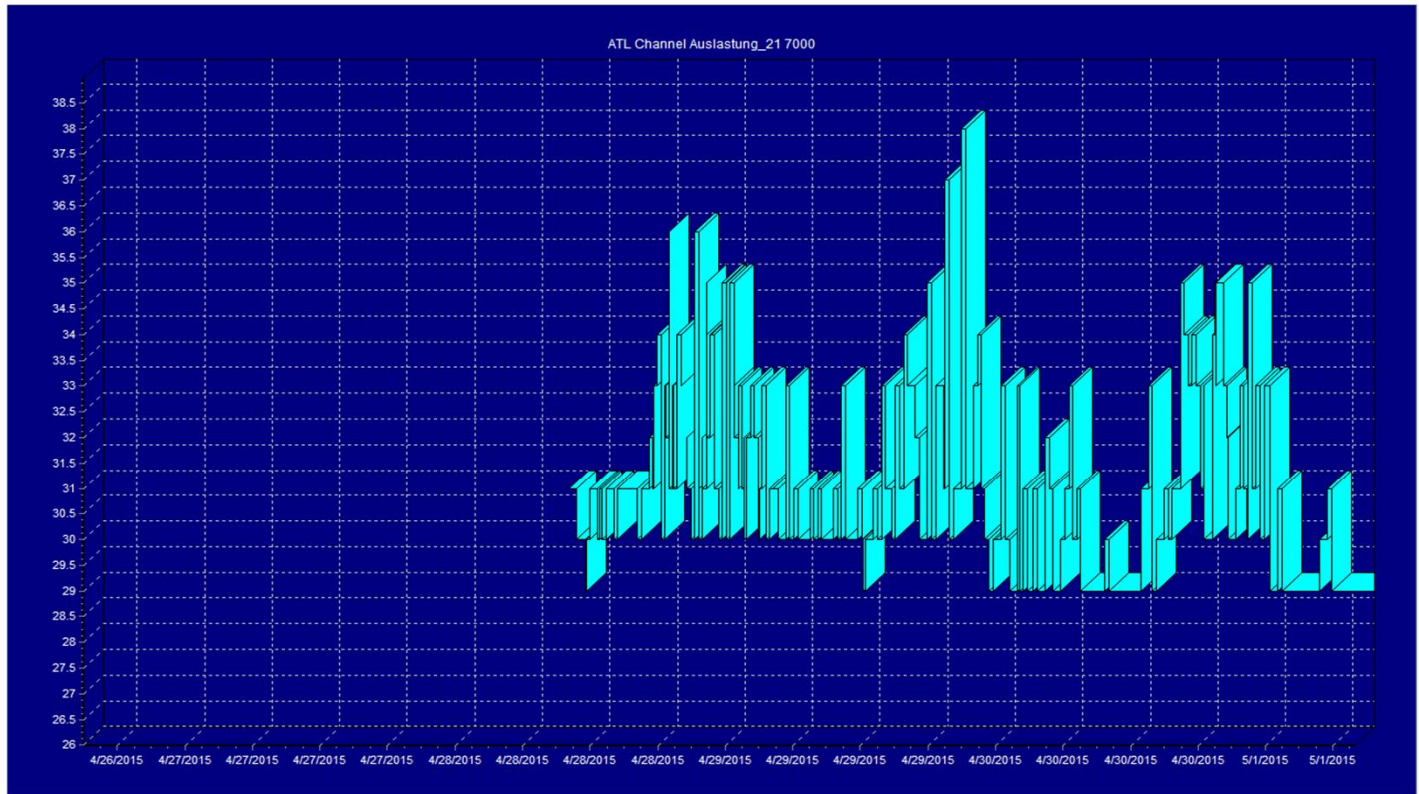
Monthly Statistics for April, 2015

Network Statistik

Channel Utilization:

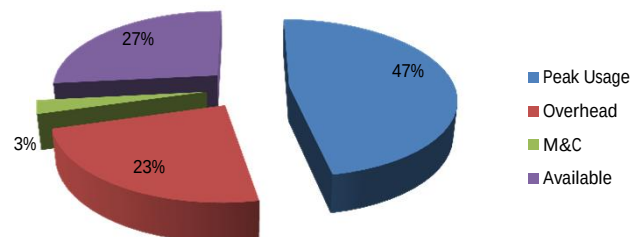
Channel: Network Traffic (%)

Peak Usage: 38%



	Data Rate	Percent
Allotted Information Rate	1.820,00 kbps	100%
Peak Usage	855,00 kbps	47%
Overhead	430,00 kbps	24%
M&C	50,00 kbps	3%
Available	485,00 kbps	27%

Peak Bandwidth Usage April 2015



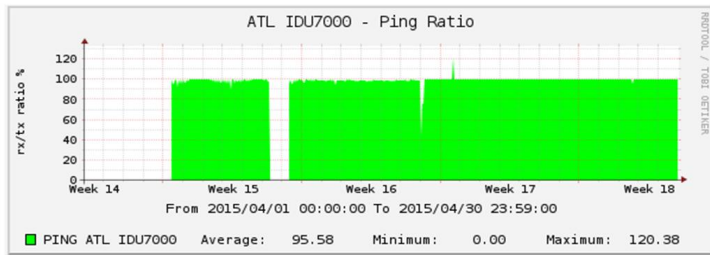
MEVA III

Monthly Statistics for April, 2015

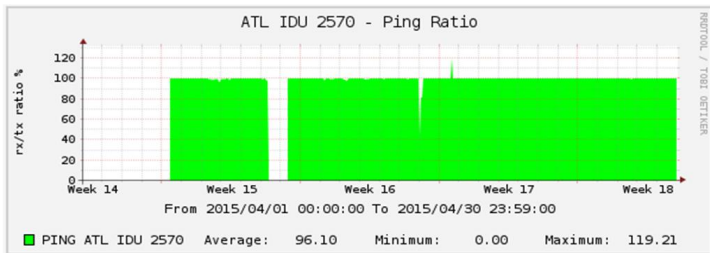
Station Statistik

Atlanta

PING Ratio IDU #1:

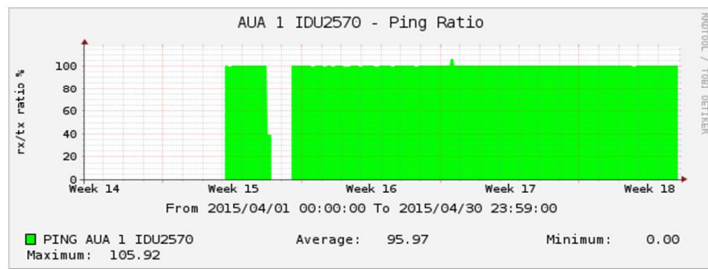


PING Ratio IDU #2:

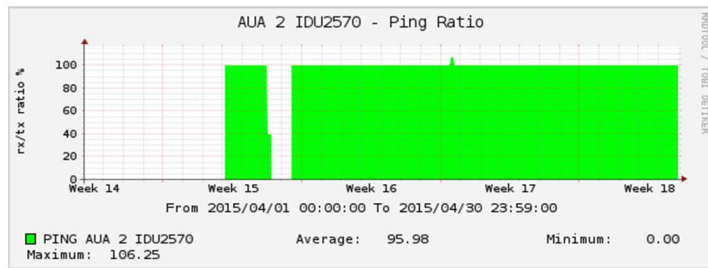


Aruba

PING Ratio IDU #1:

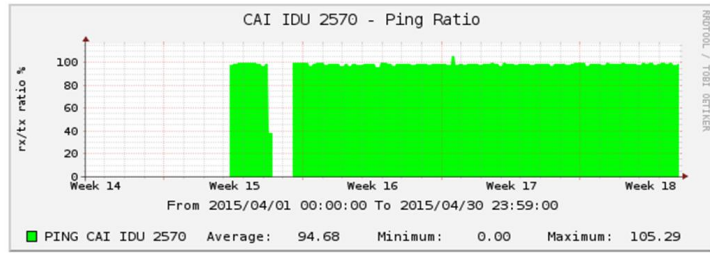


PING Ratio IDU #2:



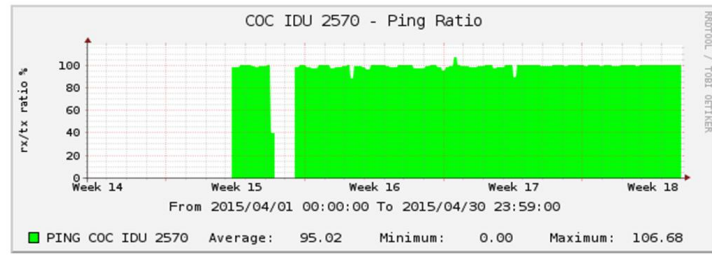
Cayman

PING Ratio IDU #1:



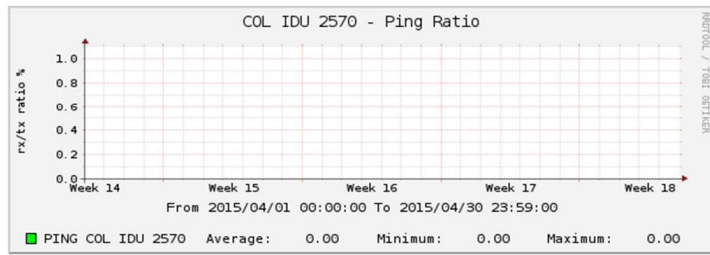
COCESNA

PING Ratio IDU #1:

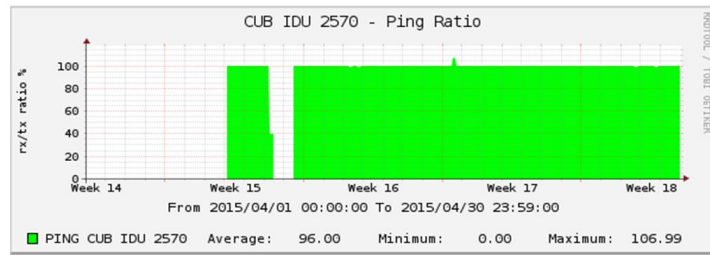


Colombia

PING Ratio IDU #1:

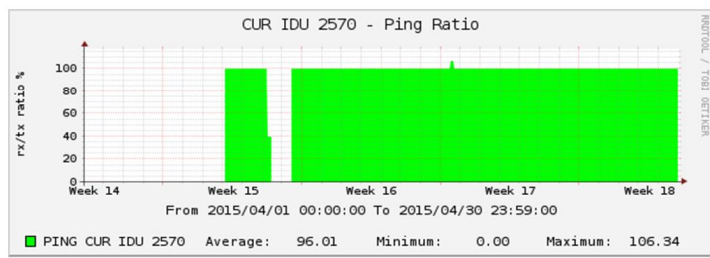


PING Ratio IDU #1:



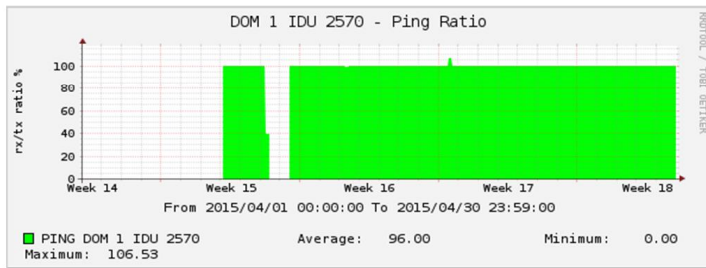
Curacao

PING Ratio IDU #1:

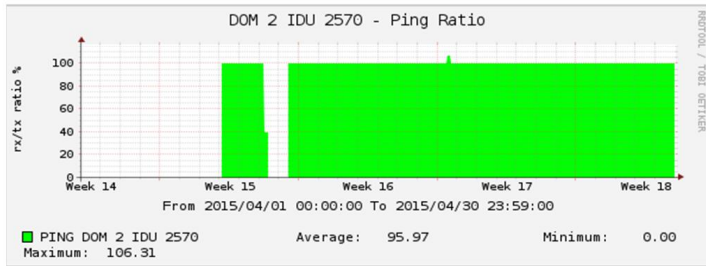


Dom. - Rep.

PING Ratio IDU #1:

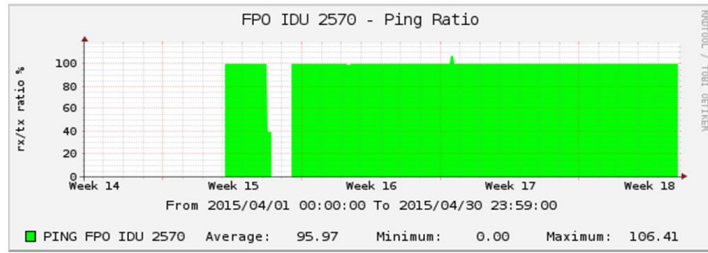


PING Ratio IDU #2:



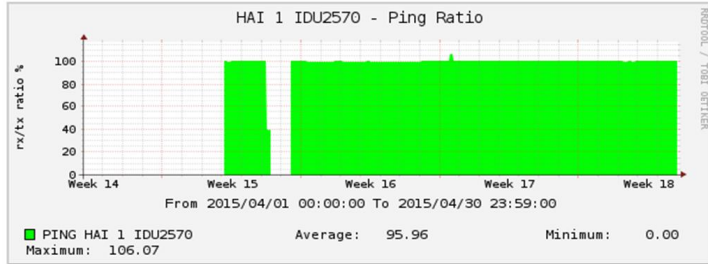
Freeport

PING Ratio IDU #1:

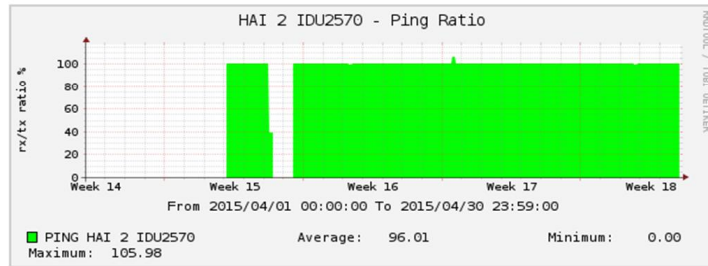


Haiti

PING Ratio IDU #1:

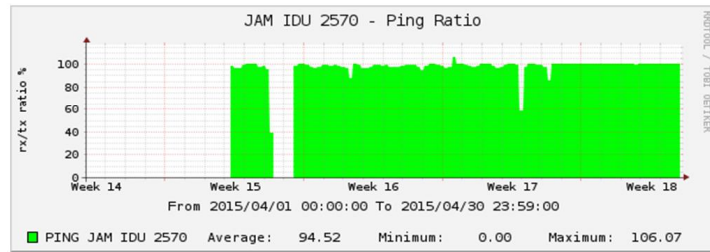


PING Ratio IDU #2:



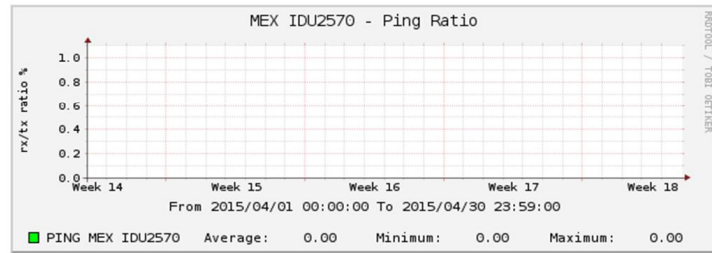
Jamaica

PING Ratio IDU #1:



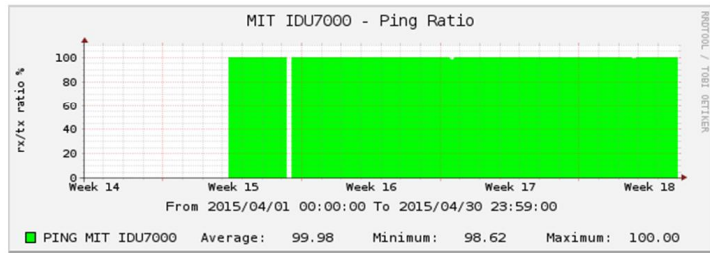
Mexico

PING Ratio IDU #1:

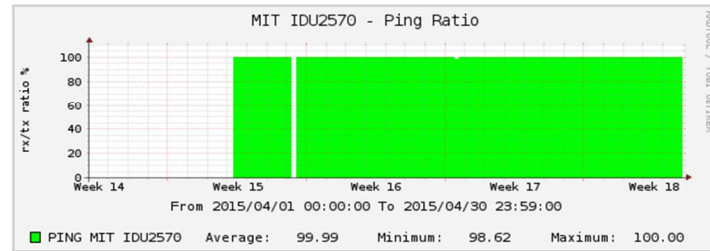


Miami, Teleport

PING Ratio IDU #1:

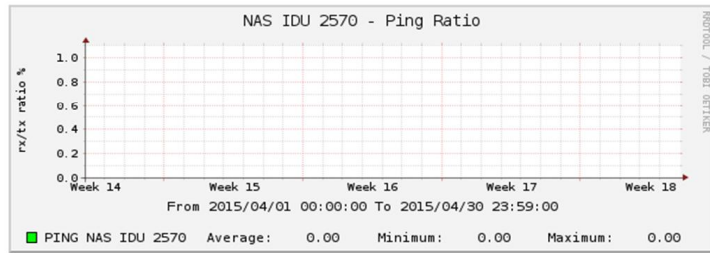


PING Ratio IDU #2:



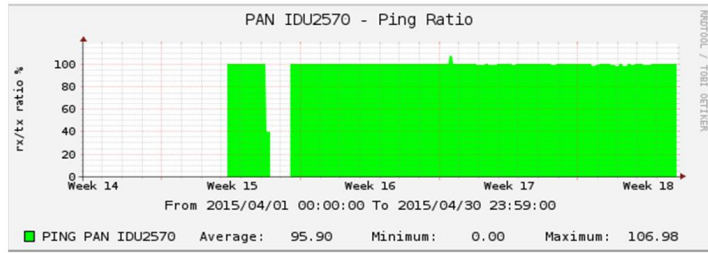
Nassau

PING Ratio IDU #1:

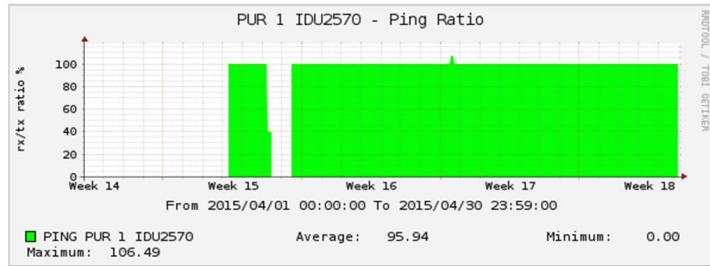


Panama

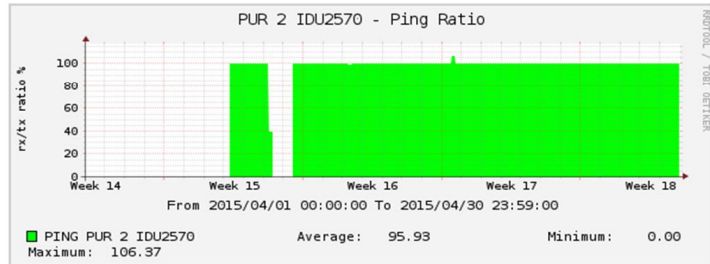
PING Ratio IDU #1:



PING Ratio IDU #1:

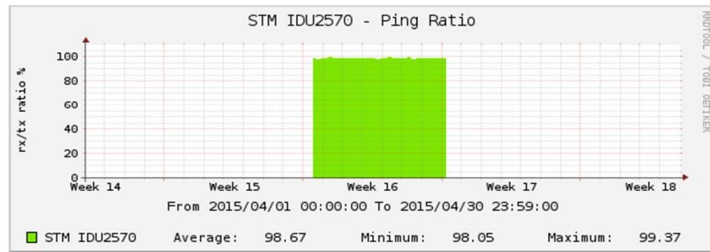


PING Ratio IDU #2:

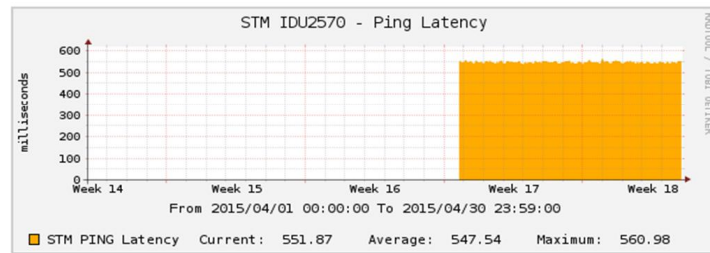


St. Maarten

PING Ratio IDU #1:

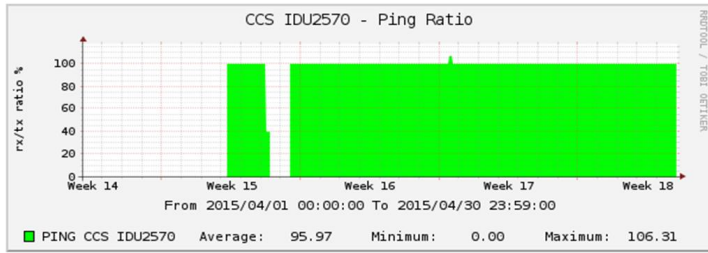


PING Latency IDU #1:



Venezuela

PING Ratio IDU #1:



MEVA III

Monthly Statistics for April, 2015

Call Statistik

	Aruba	Cuba	Dominican Republic	Atlanta, USA	Miami, FL	Haiti	COCESNA	Mexico	Sint Maarten	Jamaica	Cayman Islands	Bahamas, Freeport	Bahamas, Nassau	Curaçao	Panama	Colombia	Caracas, Venezuela	Puerto Rico	Total Outgoing calls
Aruba		0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	76	0	79
Cuba	0		1	0	25	140	944	0	0	95	556	0	0	0	0	0	0	0	1761
Dominican Republic	0	0		0	389	249	0	0	0	0	0	0	0	35	0	0	0	535	1208
Atlanta, USA	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miami, FL	0	48	824	0		21	0	0	0	0	0	782	0	0	0	0	0	0	1675
Haiti	0	81	908	0	15		0	0	0	218	0	0	0	73	1	0	0	0	1296
COCESNA	0	435	0	0	0	0		0	0	315	52	0	0	0	1045	0	0	0	1847
Mexico	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
Sint Maarten	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	301	301
Jamaica	0	29	0	0	0	288	343	0	0		3	0	0	367	756	0	0	0	1786
Cayman Islands	0	682	0	0	0	0	105	0	0	19		0	0	0	0	0	0	0	806
Bahamas, Freeport	0	0	0	0	1436	0	0	0	0	0	0		0	0	0	0	0	0	1436
Bahamas, Nassau	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
Curaçao	0	0	275	0	0	16	0	0	0	159	0	0	0		0	0	685	56	1191
Panama	0	0	0	0	0	0	1372	0	0	365	0	0	0	0		0	0	0	1737
Colombia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0
Caracas, Venezuela	100	0	0	0	0	0	0	0	0	0	0	0	0	1357	0	0		277	1734
Puerto Rico	1	0	914	0	1	0	0	0	7	0	0	0	0	129	0	0	286		1338
Total Incoming Calls	101	1275	2922	0	1866	714	2764	0	7	1171	611	782	0	1964	1802	0	1047	1169	

Notes:

MEVA III

Monthly Statistics for April, 2015

Inventory Report

Spare Part List Global (Miami Teleport)

Pos.	Qty.	Description
1		Modem Equipment
	2	- IDU 7000 MASTER
	2	- IDU 2570 BASE
	7	- SKYWAN LICENSE FRAME RELAY PORT
	3	- SKYWAN LICENSE DYNAMIC ROUTING
	2	- SKYWAN LICENSE MESH TOPOLOGY
	2	- DIAL IN MODEM SET SKYWAN IDU 7000/7000C
02,		Multiplexer Equipment
	2	- FAD 9230 BASE UNIT UAC
	2	- FAD 9220 BASE UNIT UAC
	2	- FAD 8400 BASE UNIT 4 SERIAL PORTS UAC
	2	- FAD 8400 BASE UNIT 8 SERIAL PORTS UAC
	2	- FAD 92X0 DUAL FXS MODULE
	3	- FAD 92X0 QUAD FXS MODULE
03,		RF Equipment
	4	- BUC STANDARD C-BAND 40W
	4	- LNB-C PLL 3.625-4.2 GHz / F-CON EXT REF
	1	- FILTER WG, RADAR ELIMINATION W. TRF C-BD
	2	- REDUNDANCY CONTROL UNIT CARD C-BAND

Spare Part List per Site

Atlanta

Pos.	Qty.	Description
1	1	- FAD 8400 BASE UNIT 8 SERIAL PORTS UAC

Aruba

Pos.	Qty.	Description
1	1	- FAD 92X0 QUAD FXS MODULE
	1	- FAD 92X0 DUAL SERIAL INTERFACE MODULE
	1	- FAD 92X0 QUAD PTT (E&M) MODULE +48V/-48V

Bahamas Nassau

Pos.	Qty.	Description
1	1	- FAD 92X0 QUAD FXS MODULE
	1	- FAD 8400 BASE UNIT 4 SERIAL PORTS UAC
	1	- FAD 92X0 QUAD PTT (E&M) MODULE +48V/-48V

Bahamas Freeport

Pos.	Qty.	Description
1	1	- FAD 92X0 QUAD FXS MODULE
	1	- FAD 92X0 DUAL SERIAL INTERFACE MODULE

Cayman Islands

Pos.	Qty.	Description
1	1	- FAD 92X0 QUAD FXS MODULE
	1	- FAD 92X0 DUAL SERIAL INTERFACE MODULE
	1	- FAD 92X0 QUAD PTT (E&M) MODULE +48V/-48V

COCESNA

Pos.	Qty.	Description
1	1	- FAD 92X0 QUAD FXS MODULE
	1	- FAD 92X0 QUAD PTT (E&M) MODULE +48V/-48V
	1	- FAD 8400 BASE UNIT 4 SERIAL PORTS UAC

Colombia

Pos.	Qty.	Description
1	1	- FAD 92X0 SINGLE T1/E1 MODULE (VCE/DATA)
	1	- FAD 8400 BASE UNIT 4 SERIAL PORTS UAC

Cuba

Pos.	Qty.	Description
1	1	- IDU 2570 BASE
	2	- SKYWAN LICENSE FRAME RELAY PORT
	1	- SKYWAN LICENSE 8PSK
	1	- SKYWAN LICENSE MESH TOPOLOGY
	1	- FAD 9220 BASE UNIT UAC
	1	- FAD 8400 BASE UNIT 4 SERIAL PORTS UAC
	1	- FAD 92X0 QUAD PTT (E&M) MODULE +48V/-48V
	1	- CPI/CODAN STANDARD C-BAND 40W
	1	- LNB-C PLL 3.625-4.2 GHz / F-CON EXT REF
	1	- BUC (RELATED ITEMS)
	1	- BUC (RELATED ITEMS)
	1	- BUC (RELATED ITEMS)

Curacao

Pos.	Qty.	Description
1	1	- FAD 92X0 QUAD FXS MODULE
	1	- FAD 92X0 QUAD PTT (E&M) MODULE +48V/-48V
	1	- FAD 8400 BASE UNIT 4 SERIAL PORTS UAC

Dominican Republic

Pos.	Qty.	Description
1	1	- FAD 92X0 QUAD FXS MODULE
	1	- FAD 92X0 QUAD PTT (E&M) MODULE +48V/-48V

Haiti

Pos.	Qty.	Description
1	1	- FAD 92X0 QUAD FXS MODULE
	1	- FAD 92X0 DUAL SERIAL INTERFACE MODULE
	1	- FAD 92X0 QUAD PTT (E&M) MODULE +48V/-48V

Jamaica

Pos.	Qty.	Description
1	1	- FAD 92X0 QUAD FXS MODULE
	1	- FAD 92X0 QUAD PTT (E&M) MODULE +48V/-48V
	1	- IDU 2570 BASE
	2	- SKYWAN LICENSE FRAME RELAY PORT
	1	- SKYWAN LICENSE 8PSK
	1	- SKYWAN LICENSE MESH TOPOLOGY
	1	- FAD 9220 BASE UNIT UAC
	1	- FAD 8400 BASE UNIT 4 SERIAL PORTS UAC
	1	- CPI/CODAN STANDARD C-BAND 40W
	1	- LNB-C PLL 3.625-4.2 GHz / F-CON EXT REF

Mexico

Pos.	Qty.	Description
1	1	- FAD 92X0 QUAD FXS MODULE
	1	- FAD 92X0 DUAL SERIAL INTERFACE MODULE
	1	- FAD 92X0 QUAD PTT (E&M) MODULE +48V/-48V

Panama

Pos.	Qty.	Description
1	1	- FAD 92X0 QUAD FXS MODULE
	1	- FAD 92X0 DUAL SERIAL INTERFACE MODULE
	1	- FAD 92X0 QUAD PTT (E&M) MODULE +48V/-48V

St. Maarten

Pos.	Qty.	Description
1	1	- FAD 92X0 QUAD FXS MODULE
	1	- FAD 92X0 QUAD PTT (E&M) MODULE +48V/-48V
	1	- FAD 8400 BASE UNIT 4 SERIAL PORTS UAC

Puerto Rico

Pos.	Qty.	Description
1	1	- FAD 92X0 QUAD FXS MODULE
	1	- FAD 8400 BASE UNIT 4 SERIAL PORTS UAC
	1	- FAD 92X0 QUAD PTT (E&M) MODULE +48V/-48V

Miami FAA

Pos.	Qty.	Description
1	1	- FAD 92X0 QUAD FXS MODULE
	1	- FAD 92X0 DUAL SERIAL INTERFACE MODULE
	1	- FAD 92X0 QUAD PTT (E&M) MODULE +48V/-48V

Venezuela

Pos.	Qty.	Description
1	1	- FAD 92X0 DUAL SERIAL INTERFACE MODULE
	1	- FAD 92X0 QUAD FXS MODULE
	1	- FAD 92X0 QUAD PTT (E&M) MODULE +48V/-48V

MEVA III

Monthly Statistics for April, 2015

RMA Report

Pos.	Qty.	Description	RMA No.	Location
1	1	RSS 16 - RJ45 Card (defektive)	1	Miami, FAA
2	1	LNB (water inside)	2	Haiti