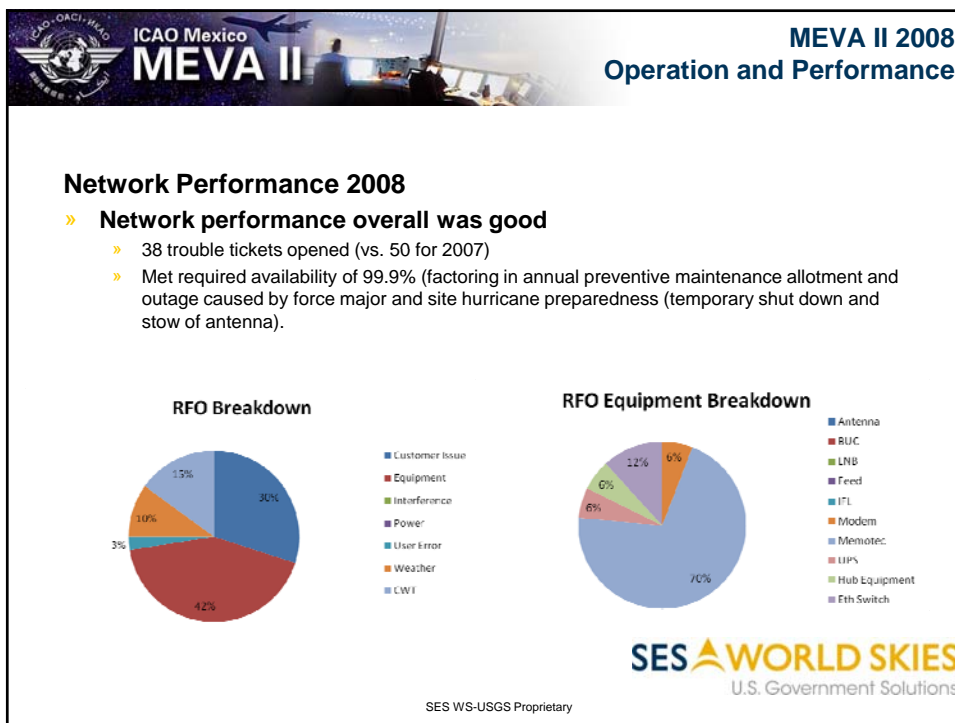




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MEVA II / REDDIG  
Eighth Coordination Meeting (MR/8)**

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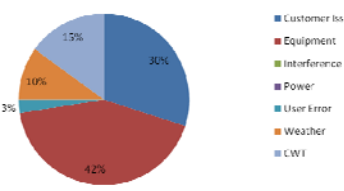
**ICAO Mexico  
MEVA II**

**MEVA II 2008  
Operation and Performance**

**Network Performance 2008**

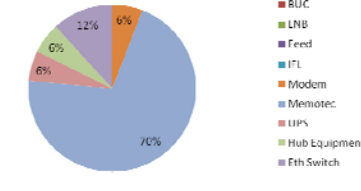
- » **Network performance overall was good**
  - » 38 trouble tickets opened (vs. 50 for 2007)
  - » Met required availability of 99.9% (factoring in annual preventive maintenance allotment and outage caused by force major and site hurricane preparedness (temporary shut down and stow of antenna).

**RFO Breakdown**



Category	Percentage
Customer Issue	30%
Equipment	42%
Interference	10%
Power	3%
User Error	13%
Weather	3%
C/WI	3%


**RFO Equipment Breakdown**



Category	Percentage
Antenna	70%
RUC	6%
LNB	6%
Feed	6%
IFL	6%
Modem	6%
Memotec	6%
UPS	6%
Hub Equipment	6%
Eth Switch	6%

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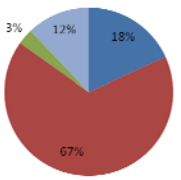
**MEVA II 2009**  
Operation and Performance

### Network Performance 2009

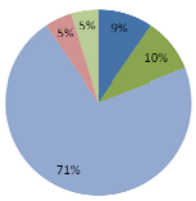
- » **Network performance overall was good**
  - » 33 trouble tickets opened
  - » Met required availability of 99.9% (factoring in annual preventive maintenance allotment)

#### RFO Breakdown




Category	Percentage
Equipment	67%
Customer Issue	18%
Interference	12%
Weather	3%


#### RFO Equipment Breakdown



Category	Percentage
Antenna	71%
LNB	10%
IF L	9%
Hub Equipment	5%
BUC	5%
UPS	5%
Memotec	5%
Modem	5%
Power	5%
User Error	5%
Prev. Maint.	5%
Interference	5%



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**MEVA II**


**MEVA II 2009**  
Operation and Performance

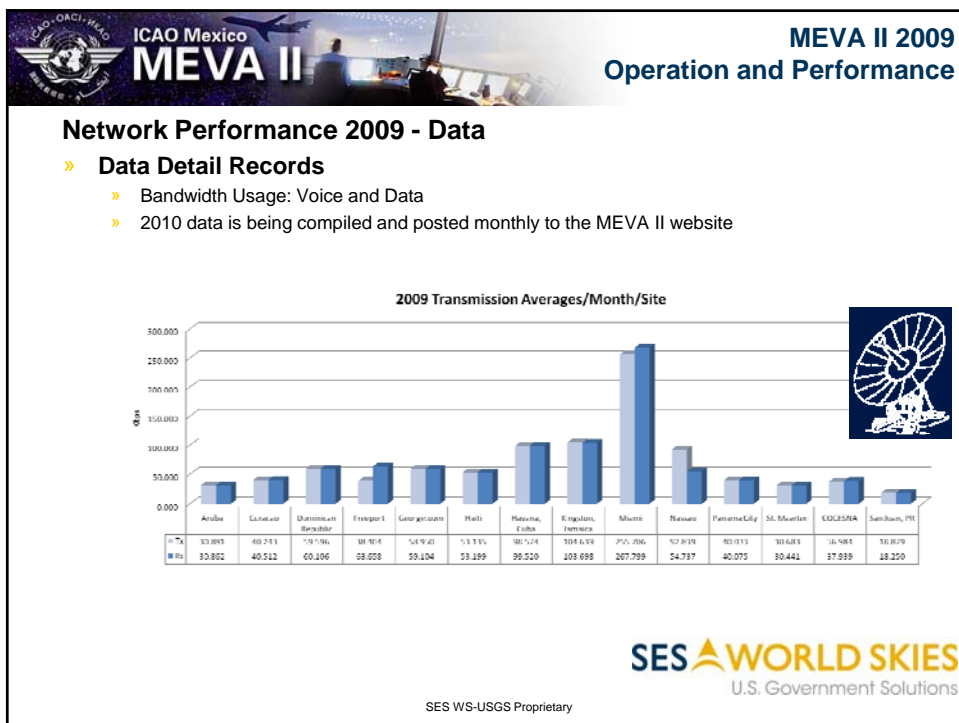
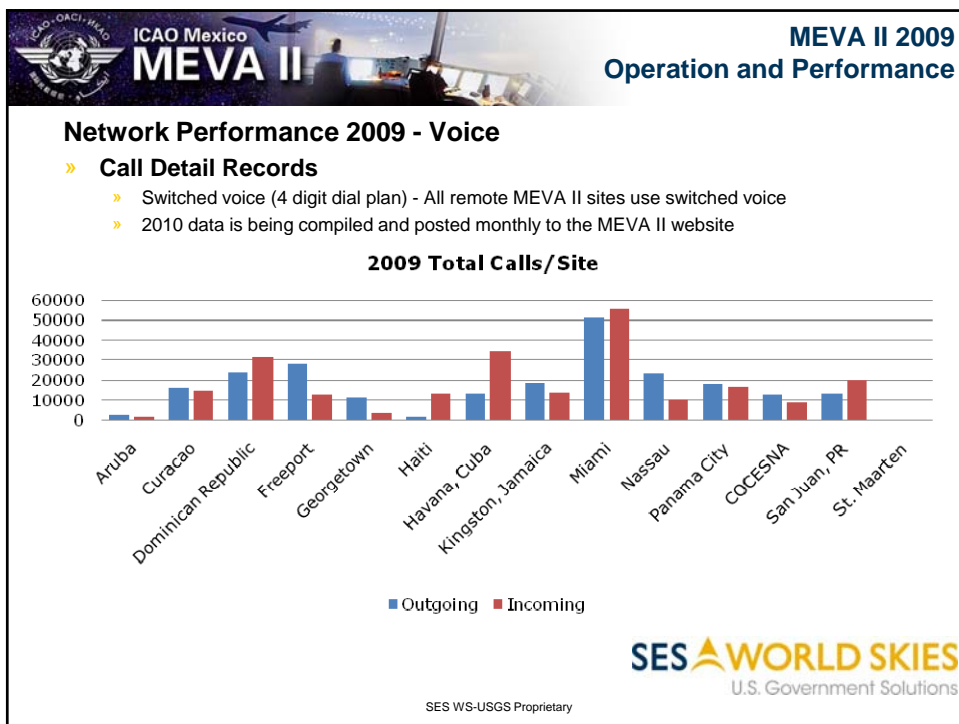
### Network Performance 2009 – Voice

- » **Call Detail Records**
  - » Switched voice (4 digit dial plan) - All remote MEVA II sites use switched voice
  - » 2010 data is being compiled and posted monthly to the MEVA II website

	Aruba	Curacao	Dominican Republic	Freeport	Georgetown	Haiti	Havana, Cuba	Kingston, Jamaica	Miami	Nassau	Panama City	San Juan, PR	COCESNA	St. Maarten	TOTAL OUTGOING CALLS
Aruba	0	161	0	0	0	0	0	0	0	0	0	0	0	0	2306
Curacao	0	0	965	0	0	66	0	399	0	0	0	228	0	0	16365
Dominican Republic	0	436	0	0	0	588	0	443	0	0	0	586	0	0	24084
Freeport	0	0	0	0	0	0	0	0	3392	74	0	0	0	0	27894
Georgetown	263	0	0	0	5	0	1985	72	0	0	0	263	0	0	11413
Haiti	0	4	42	0	0	0	4	7	12	0	0	0	0	0	1647
Havana, Cuba	0	0	0	0	418	42	0	45	486	0	0	0	647	0	13169
Kingston, Jamaica	2	515	0	0	2	181	10	0	0	0	1049	0	384	0	18777
Miami	0	0	1211	1594	0	219	3106	8	3	974	0	0	2	0	51210
Nassau	0	0	0	143	0	0	0	0	3176	0	0	0	0	0	23658
Panama City	0	0	0	0	0	0	0	808	0	0	0	0	1382	0	18084
COCESNA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12870
San Juan, PR	1	206	1380	0	0	0	0	0	1	0	0	0	0	0	13234
St. Maarten	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL INCOMING CALLS</b>	<b>1457</b>	<b>14728</b>	<b>31378</b>	<b>12740</b>	<b>3605</b>	<b>13298</b>	<b>34530</b>	<b>13774</b>	<b>55680</b>	<b>10367</b>	<b>16634</b>	<b>8933</b>	<b>20098</b>	<b>0</b>	



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MEVA II Network

### Events & Network Performance

- » **2009**
  - » Transition from IS1R to IS14
  - » Annual Preventative Maintenance Visits
  - » Issue with Multiple Voice Shutdown Circuits
    - » Suspect issue with individual card that was replaced in Miami & Miami Memotec 2 was reset
- » **2010**
  - » MEVA II/REDDIG Interconnection Sites Installed
    - » Added Circuits to Curacao, San Juan, Panama, and Miami
    - » Switched Voice Lines - Activated
    - » Final AFTN & Voice Shutdown Circuits – Pending Customer Equipment Installation
  - » New Site Implementation: Atlanta – Upcoming
  - » 3<sup>rd</sup> Shutdown line between Havana & Miami – In Progress
  - » Preventative Maintenance Schedules – In Progress
  - » MEVA II website - 2009/2010 Monthly Reports, TMG/21 Working Papers, Equipment Manuals, Training Guides, notices, etc. all uploaded to site ([www.mevaii.net](http://www.mevaii.net))

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MEVA II / REDDIG INTERCONNECTION  
Delays

- » ICAO-procured equipment took longer to arrive at Hagerstown, MD than expected.
- » Internal SES USG organizational changes delayed shipment of equipment to Bogota and Caracas.
- » Customs clearance delays.
- » SES USG successfully configured the Linkway 2100 boot files in Hagerstown; however, when ICAO procured the 2100s the units' possessive operating system software was compatible with the REDDIG network. The MEVA network runs later version software.
- » When SES USG installation began the technician noted an issue with the Linkway locking into the network. At this time SES USG discovered the operating system incompatibility.
- » Rather than attempting to reload the operating system software in the field, SES USG suspended the installation and returned to home facility with the Bogota Linkway to load the proper operating system software.
- » While performing this function SES USG wrote a procedure to load the Caracas Linkway in the field and also ensured SES USG had the proper connecting equipment to do so.
- » SES USG returned to Bogota and completed the installation successfully and then travelled to Caracas and completed the site installation successfully.

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**MEVA II / REDDIG INTERCONNECTION**  
End-to-End Trials for Voice & Data

- » **Completed:**
  - » All switched voice lines pertaining to the MEVA / REDDIG Interconnection all tested successfully in Tables 1 and 2 of WP04 Appendix E by SES USG.
- » **To be completed:**
  - » All AFTN circuits pertaining to the MEVA / REDDIG Interconnection Tables 1 and 2 of WP04 Appendix E are awaiting end-users to install their end equipment (MEVA/REDDIG Interconnection Members as listed in tables 1 and 2). Testing will involve end-to-end tests. While the end-to-end tests are underway SES USG will monitor the Memotec data flow. Success criteria will be the proper data flow and the successful transmission of test messages. All sites are requested to notify SES USG so that testing may be coordinated and commence.
  - » Always on voice circuit between San Andres and Panama. SES USG is awaiting end-users to install their end equipment. All sites are requested to notify SES USG so that testing may be coordinated and commence.

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**MEVA II / REDDIG INTERCONNECTION**  
Other Matters

- » **Technical Documentation**
  - » 28 May SES USG will deliver updated technical documentation for Interconnection
- » **Technical Improvements**
  - » SES USG concurs with summary in WP02 from MEVA TMG/21 Meeting Report
  - » Sections 2.10 thru 2.18
- » **SES USG has requested status of the end equipment installation from the following MEVA sites:**
  - » FAA Miami
  - » FAA Puerto Rico
  - » Curacao
  - » Panama

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