



ICANN Meetings Setup

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Meetings Technical Services Manager
ICANN-52 | February 2015

MTS History

The Meetings Technical Services team:

- ⦿ **Started testing Remote Participation services at the Mexico City meeting in 2009.**
- ⦿ **In 2012 ICANN added consistency and reliability of meeting services by dedicating ICANN staff members to meetings technology.**
- ⦿ **Hired additional staff in 2013 and 2014 to keep up with the demand for services and capacity.**
- ⦿ **Today we continue to support all existing meetings services.**
- ⦿ **We research, test and provision new services for both internal and external use.**

MTS Supports

The Meetings Technical Services team supports most aspects of technology surrounding ICANN events such as:

- ⊙ **ICANN Meetings**
- ⊙ **IANA Transition Meetings**
- ⊙ **SSAC Meetings**
- ⊙ **Board Workshops**
- ⊙ **Registry/Registrar Road Shows**
- ⊙ **Staff Meetings**
- ⊙ **DNS Forums**

MTS Services

⦿ Internet Connectivity, WiFi



MTS Services

◎ Adobe Connect (Audio, Video, Presentations, Scribing & Chat)



MTS Services

MP3 Streaming & Recording

Custom designed control interface

The image displays two screenshots of the ICANN MTS services interface. The top-left screenshot shows the 'ICANN | MTS MATRIX' table, which lists various rooms and their associated Adobe, Scribe, and VGA IDs. The top-right screenshot shows the 'ICANN | MTS ISTREAM' control interface for the 'Padang' event. This interface includes a large digital clock showing 07:21:03, a session title 'Opening Ceremony', and a list of active streams for different languages. The 'Meeting Information' section shows the duty tech as Chuck Kennicott, and the 'Room Log' section provides a detailed log of stream activity.

Room	Adobe	Scribe	VGA	Presenter	MP3	A/C
Bras Basah - x6008	3119	3112	3120		3119	sin52-brasbasah
Canning - x6004	3544	3545				
Collyer - x6012	3547	3548				
Hullet - x6014	3108					
Indiana - x6011	1347	1348				
Moor - x6006	4754					
Morrison - x6009	3109					
Olivia - x6013	3105	3106				
Padang - x6003	3540	3541				
Sophia - x6007	3102	3103				
VIP Lounge - x6010	3122	1345				

Event: ICANN52 URL Base: sin52-padang Engine: 1.2.1 (82a2cae) Server: stream.icann.org

07:21:03 UTC-16 2015-02-09 **ICANN | MTS ISTREAM** Padang **23:21:03** UTC 2015-02-08

Public Recordings | Private Recordings | Room Log

Language	Control	Status/Level	Streams
1. English	Stream Rec Stop	00:01:24	Low High
2. French	Stream Rec Stop	00:01:23	Low High
3. Spanish	Stream Rec Stop	00:01:23	Low High
4. Chinese	Stream Rec Stop	00:01:22	Low High
5. Russian	Stream Rec Stop	00:01:21	Low High
6. Arabic	Stream Rec Stop	00:01:20	Low High
7. Portuguese	Stream Rec Stop	00:01:20	Low High
8.	Stream Rec Stop	Not Active	Low High

Meeting Information

Session Title:

Duty Tech:

Room Log

Add a Session Note:

```
2015-02-08 23:19:33 STREAM 6 sin52-padang-ar
2015-02-08 23:19:33 STREAM 7 sin52-padang-pt
2015-02-08 23:19:32 STREAM 5 sin52-padang-zu
2015-02-08 23:19:31 STREAM 4 sin52-padang-zh
2015-02-08 23:19:30 STREAM 2 sin52-padang-fr
2015-02-08 23:19:30 STREAM 3 sin52-padang-es
2015-02-08 23:19:29 STREAM 1 sin52-padang-en
2015-02-08 22:55:18 STOPPED 1 sin52-padang-en
2015-02-08 22:55:18 rsync process started
2015-02-08 22:54:48 STREAM 1 sin52-padang-en
```

MTS Services

⦿ RTT / Real Time Text / Scribing

- ⦿ Started utilizing remote scribes in 2010.



MTS Services

◎ Presentation & Cyber Café Laptops



MTS Services

◎ Remote Hubs



Remote Hub Control

NETMundial, Sao Paulo Brazil, April 2014

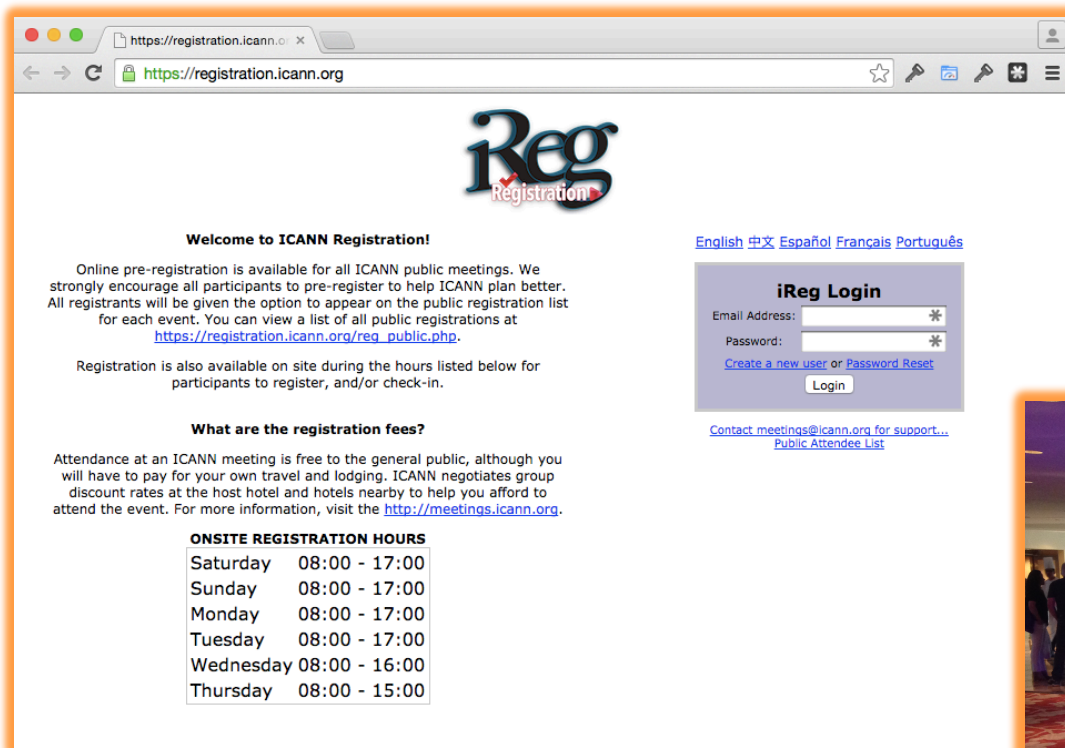
- ◎ 7 Languages
- ◎ 10 Locations

MTS Services

⦿ Phone Bridges, Telephone Calls



Meeting Registration System & Kiosks



The screenshot shows a web browser window with the URL <https://registration.icann.org>. The page features the 'Reg Registration' logo and a welcome message. It provides information about online pre-registration, including a link to view public registrations. A login section titled 'iReg Login' includes fields for Email Address and Password, with links for 'Create a new user or Password Reset' and a 'Login' button. Below the login section, there are links for 'Contact meetings@icann.org for support...' and 'Public Attendee List'. A table lists on-site registration hours for various days of the week.

Welcome to ICANN Registration!

Online pre-registration is available for all ICANN public meetings. We strongly encourage all participants to pre-register to help ICANN plan better. All registrants will be given the option to appear on the public registration list for each event. You can view a list of all public registrations at https://registration.icann.org/reg_public.php.

Registration is also available on site during the hours listed below for participants to register, and/or check-in.

What are the registration fees?

Attendance at an ICANN meeting is free to the general public, although you will have to pay for your own travel and lodging. ICANN negotiates group discount rates at the host hotel and hotels nearby to help you afford to attend the event. For more information, visit the <http://meetings.icann.org>.

ONSITE REGISTRATION HOURS

Saturday	08:00 - 17:00
Sunday	08:00 - 17:00
Monday	08:00 - 17:00
Tuesday	08:00 - 17:00
Wednesday	08:00 - 16:00
Thursday	08:00 - 15:00



Meeting Resource Scheduling Database

Monday, 9 February 2015

- 07:00 to 08:30 SGT | DNS Women's Breakfast | Bencoolen >
- 07:00 to 08:30 SGT | Fellowship Morning Sessions | VIP Lounge >
- 08:30 to 10:00 SGT | Welcome Ceremony and President's Opening Session | Padang >
- 10:15 to 13:00 SGT | Responses to the ICG RFP Regarding the IANA Stewardship Transition | Padang >
- 10:30 to 12:00 SGT | LAC Space | VIP Lounge >
- 10:30 to 12:00 SGT | New gTLD Applicant Group (NTAG) | Sophia >
- 10:30 to 12:00 SGT | Updates from the Middle East Strategy | Collyer >
- 10:30 to 18:00 SGT | Tech Day | Olivia >

Service Type

[Audio Stream Live](#) (Low Bandwidth)

Language

English

Service Type

[Audio Stream Live](#) (High Bandwidth)

Language

English

[Virtual Meeting Room Stream Live](#) (High Bandwidth)

English

Materials

Title

[ccNSO Tech Day | Presentation 2 \[EN\]](#)

Item Type

Presentation

File Size

[PDF 564.54 KB]

Language

English

[ccNSO Tech Day | Presentation 1 \[EN\]](#)

Presentation

[PDF 771.15 KB]

English

[ccNSO Tech Day | Agenda \[EN\]](#)

Agenda

[PDF 194.46 KB]

English

Full session description

MTS Services

⦿ Digital Signage

#ICANN51
Your source for ICANN51 news

Monday, October 13 **6:37:36**

Welcome to ICANN 51 Los Angeles

Mon 10:30 Tech Day
Ends at 17:00 Westside

Mon 11:00 ccNSO Council Preparatory Meeting
Ends at 12:15 Westwood **CLOSED**

Mon 12:15 Meeting of the CWG to Develop an IANA Stewardship Transition Proposal...
Ends at 13:45 Pacific Palisades

Mon 13:00 ccNSO Secure Email Communication for ccTLD Incident Response Working...
Ends at 14:15 Westwood **CLOSED**

Mon 13:15 Global Domains Division (GDD) Update
Ends at 14:15 Beverly Hills

Mon 14:00 All Things WHOIS—Now and in the Future
Ends at 15:30 Los Angeles

Mon 14:00 Finance Open Session
Ends at 15:30 Brentwood

Mon 15:00 At-Large Metrics Working Group
Ends at 16:00 Olympic

AmandineSmu
@AmandineSmu
13 Oct 2014 06:16

RT @jeanguillon:
@axellelemaire Pas d'ICANN
51 ? #icann51 #newgtlds
@dotvinum

Julien Naillet
@julien_naillet
13 Oct 2014 00:08

RT @AEMIC: Pictures from
Sweetest use: #ICANN51

bels made art for the space age with light and flamethrowers Th

MTS Services

⊙ Power Strips



- ⊙ Ship and deploy 450 International Power strips.
- ⊙ Use over 1 mile of black gaffers tape each meeting to cover the wires.

MTS Services

⦿ Meetings Equipment Shipping

From meeting to meeting



Los Angeles storage and maintenance facility

MTS Services

- ⦿ **Internet Connectivity, WiFi**
- ⦿ **Adobe Connect (Audio, Video, Presentations, Scribing & Chat)**
- ⦿ **MP3 Streaming & Recording**
- ⦿ **RTT / Real Time Text / Scribing**
- ⦿ **Presentation & Cyber Café Laptops**
- ⦿ **Remote Hubs**
- ⦿ **Phone Bridges, Telephone Calls**
- ⦿ **Meeting Registration System & Kiosks**
- ⦿ **Meeting Resource Scheduling Database**
- ⦿ **Digital Signage**
- ⦿ **Power Strips**
- ⦿ **Meetings Equipment Shipping**

MTS Team

- ◎ **5 ICANN Staff**

- ◎ Network Engineers

- ◎ Remote Participation Engineers

- ◎ End User Support

- ◎ **16 MTS Support Staff**

- ◎ Meeting Support

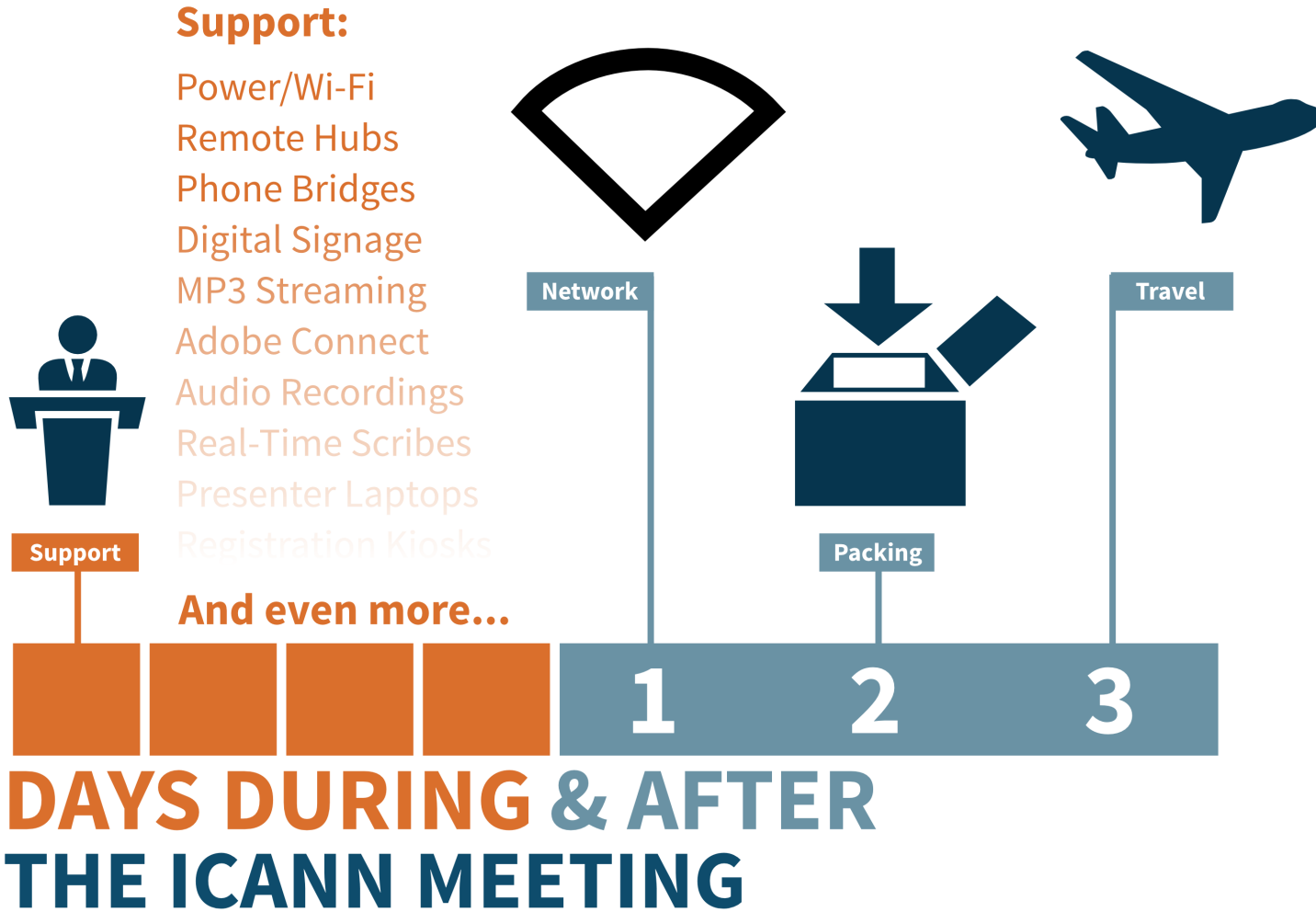


ICANN49 Crew - Singapore, 2014

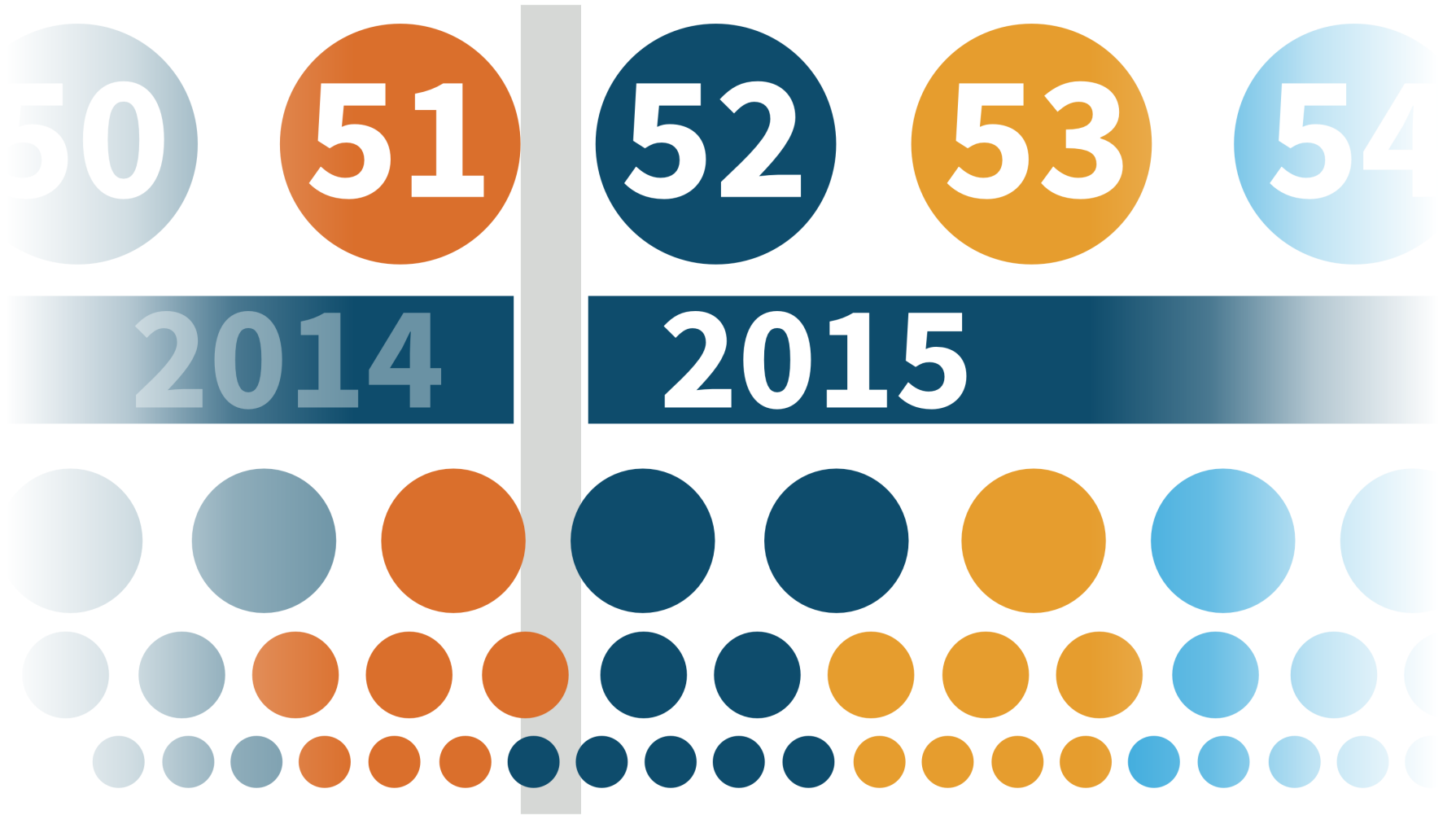
ICANN Meeting Deployment Timeline



ICANN Meeting Deployment Timeline

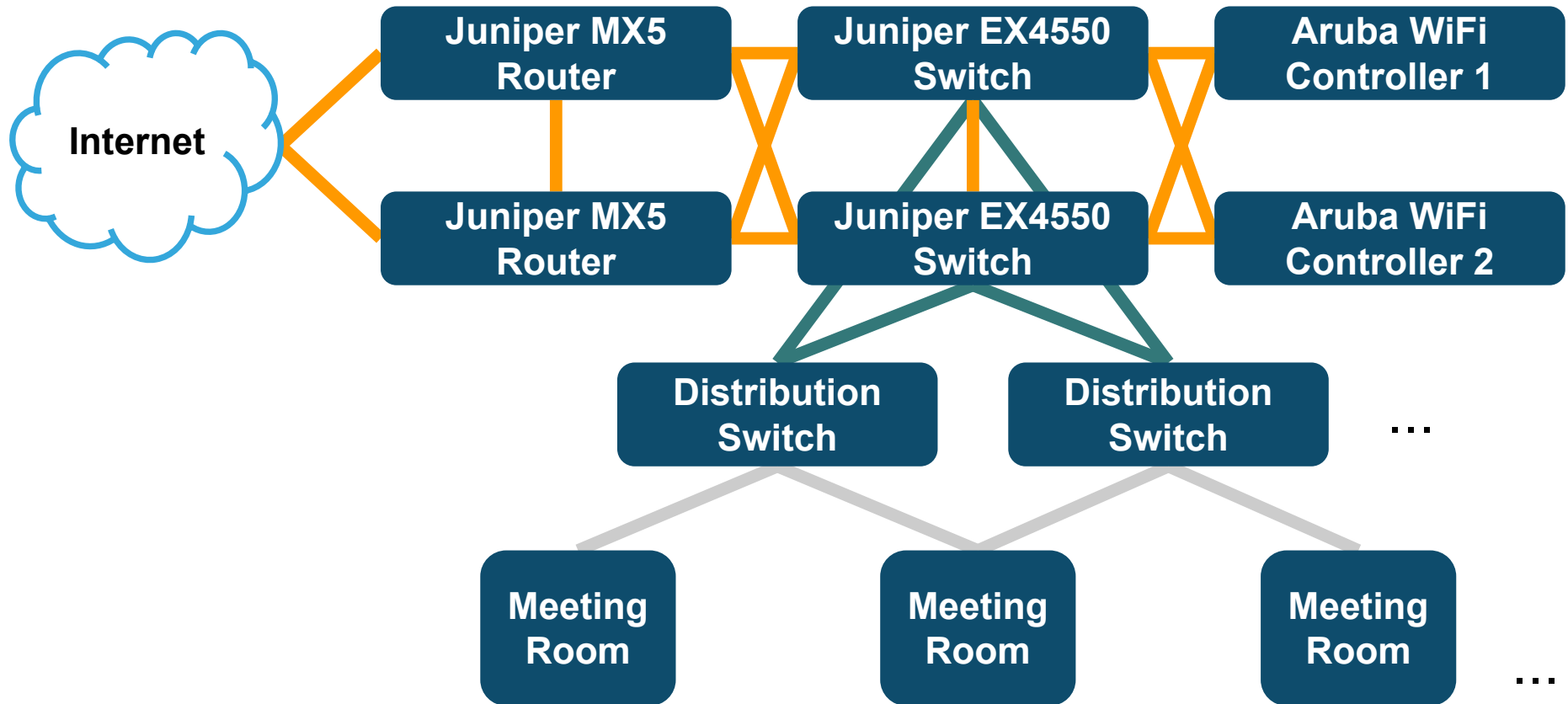


ICANN Meeting Deployment Timeline



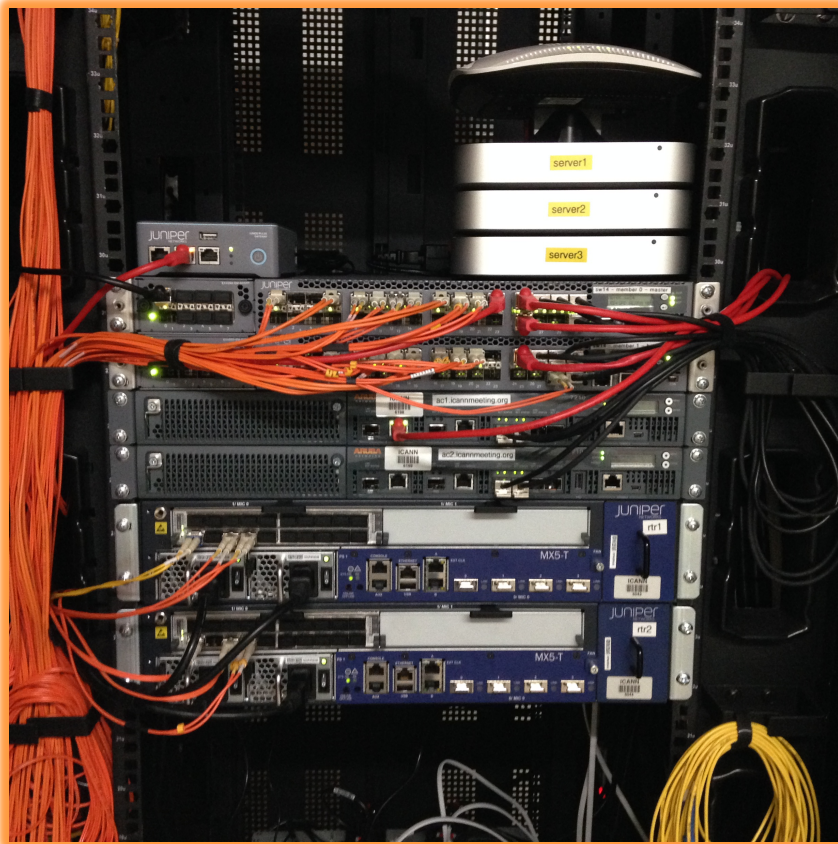
Connecting everything together

ICANN Meeting Network Layout



ICANN Meeting Network Deployment

- ⦿ Placement of the core routers, switches, controllers and servers at the venue.



ICANN Meeting Core

- ⦿ 3 servers
- ⦿ 2 Juniper EX4550 Switches
- ⦿ 2 Aruba 7210 WiFi Controllers
- ⦿ 2 Juniper MX Routers
- ⦿ 1 Juniper SSLVPN

ICANN Meeting Network Deployment

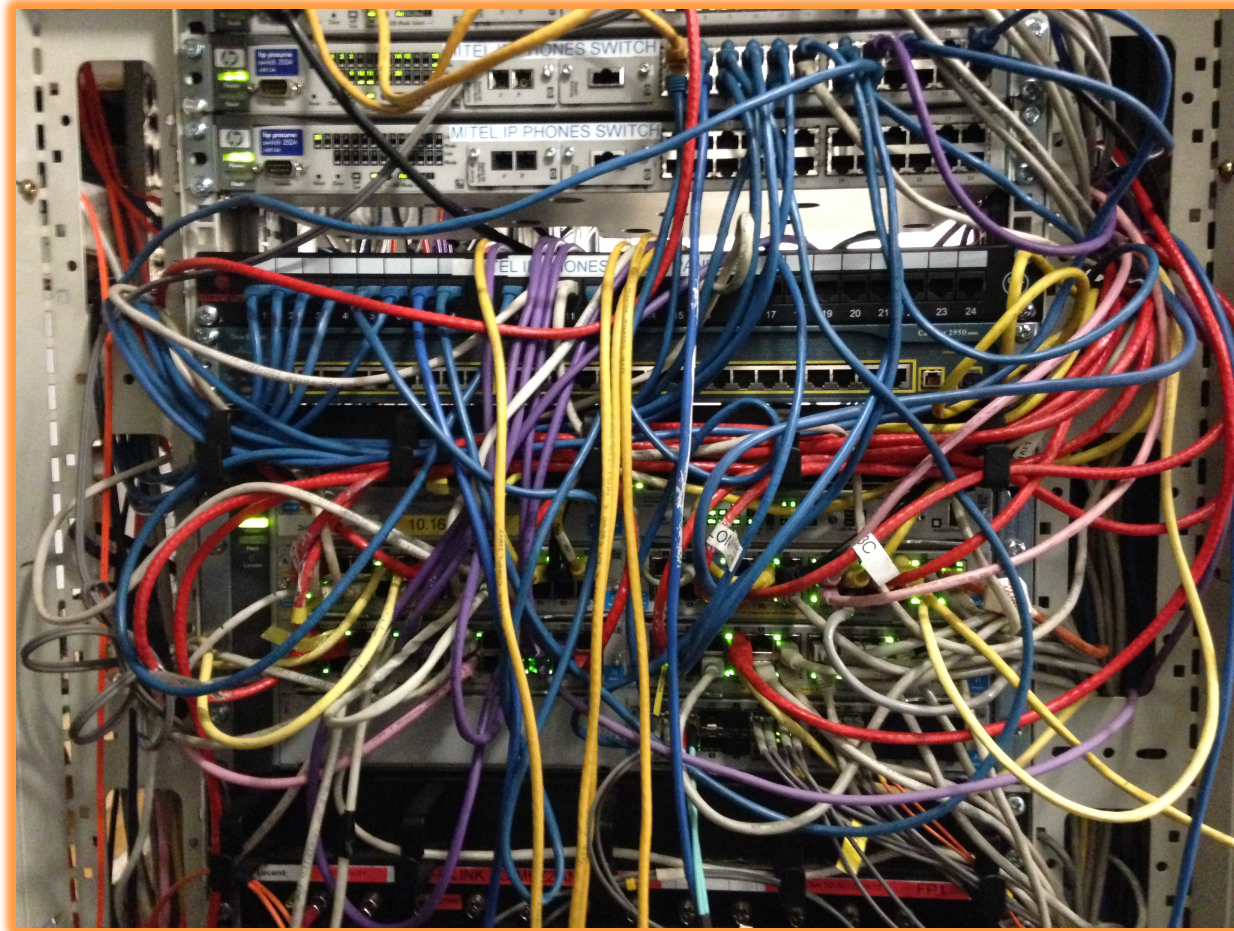
⦿ Distribution Layer



- ⦿ Place switches in IDF closets throughout the venue.
- ⦿ Cross connect to individual meeting rooms.

ICANN Meeting Network Deployment

- ⦿ **Some venues are more difficult than others**

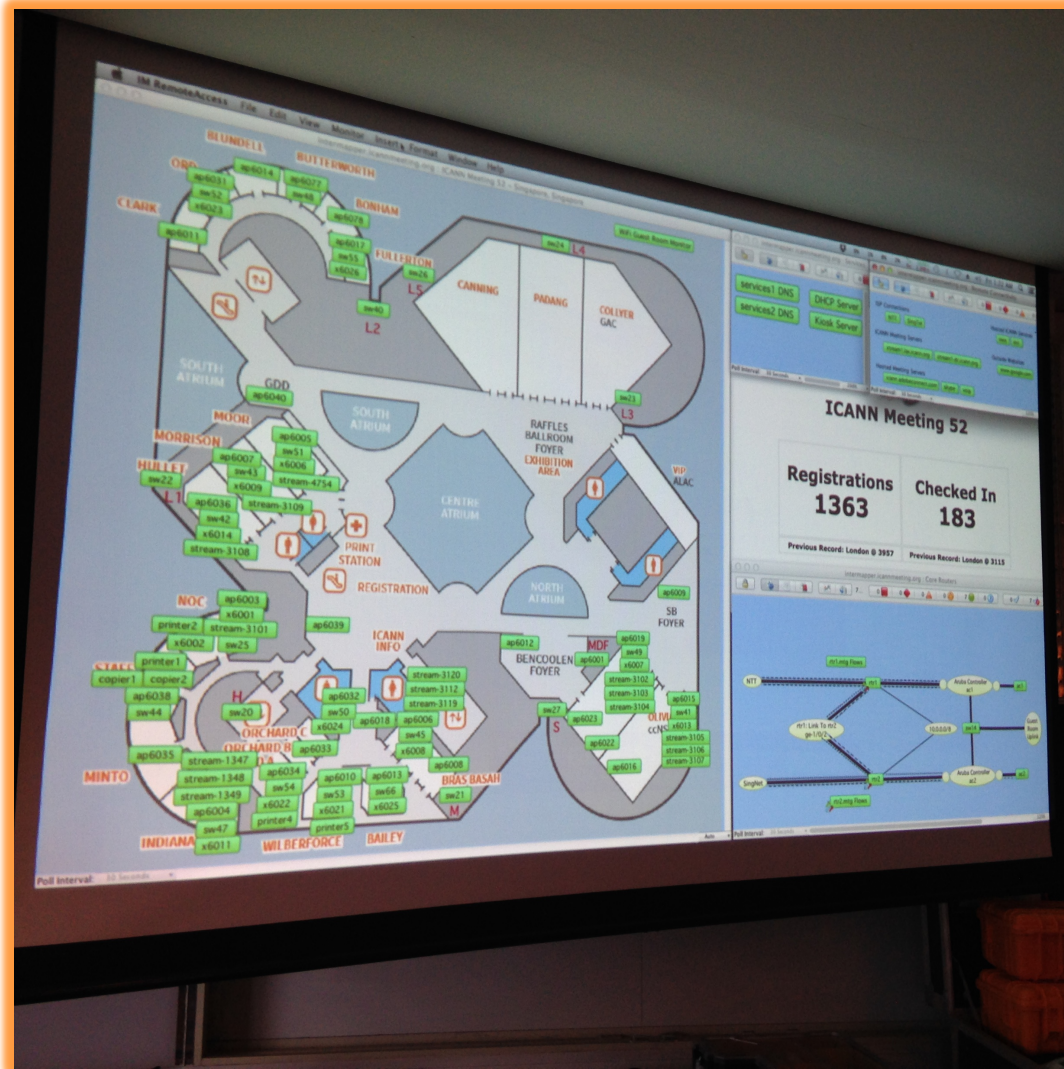


ICANN50 - London, 2014

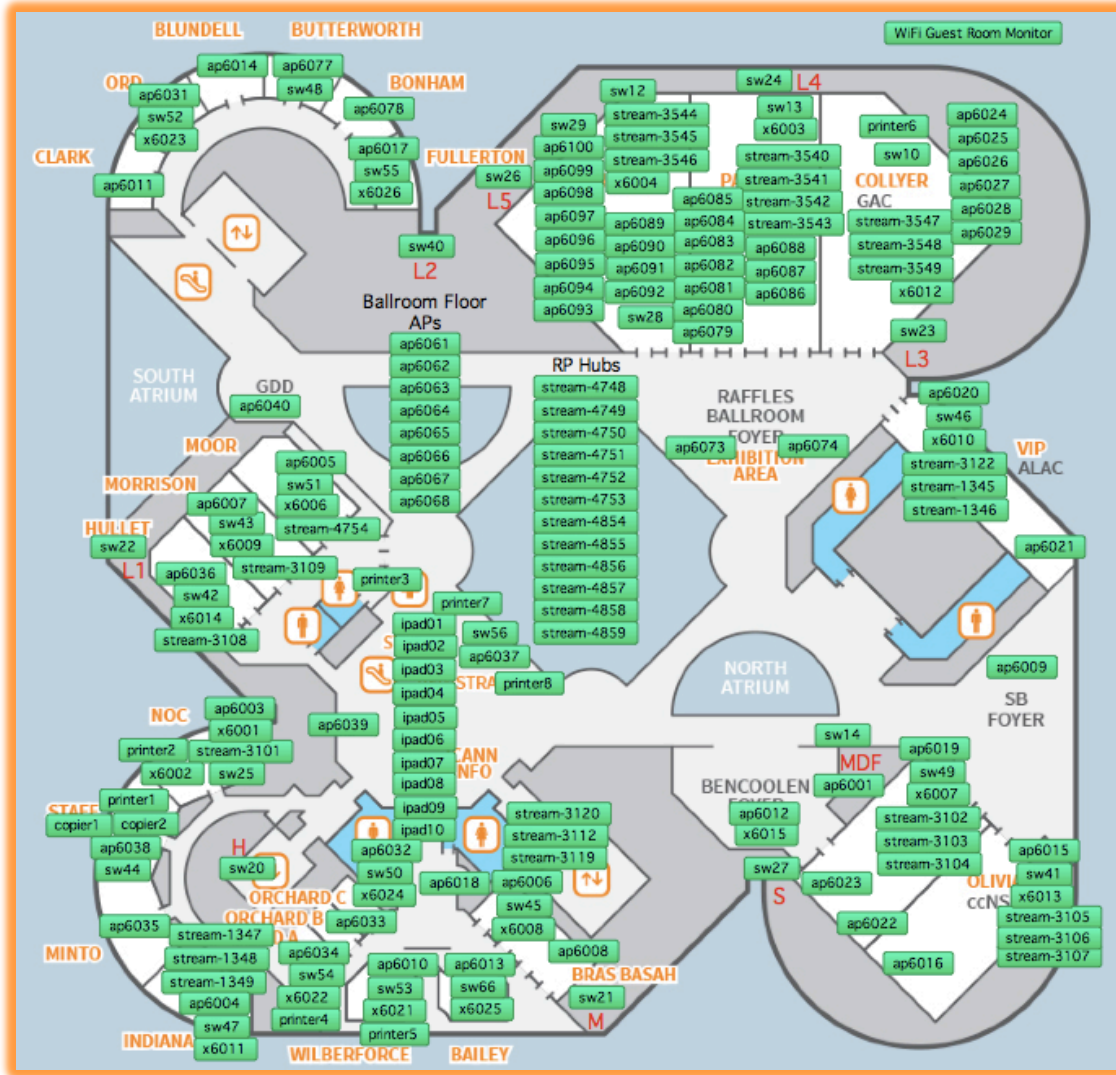
ICANN 52 – Dependencies

- ⊙ **Hosted Services utilized during an ICANN Meeting**
 - ⊙ Adobe Connect
 - ⊙ StreamText Scribing
 - ⊙ VoIP Phones
 - ⊙ MP3 Streaming Audio Servers
 - ⊙ Web Site
 - ⊙ Live Stream
 - ⊙ Skype
 - ⊙ Google Hangouts

ICANN 52 – Systems Monitoring

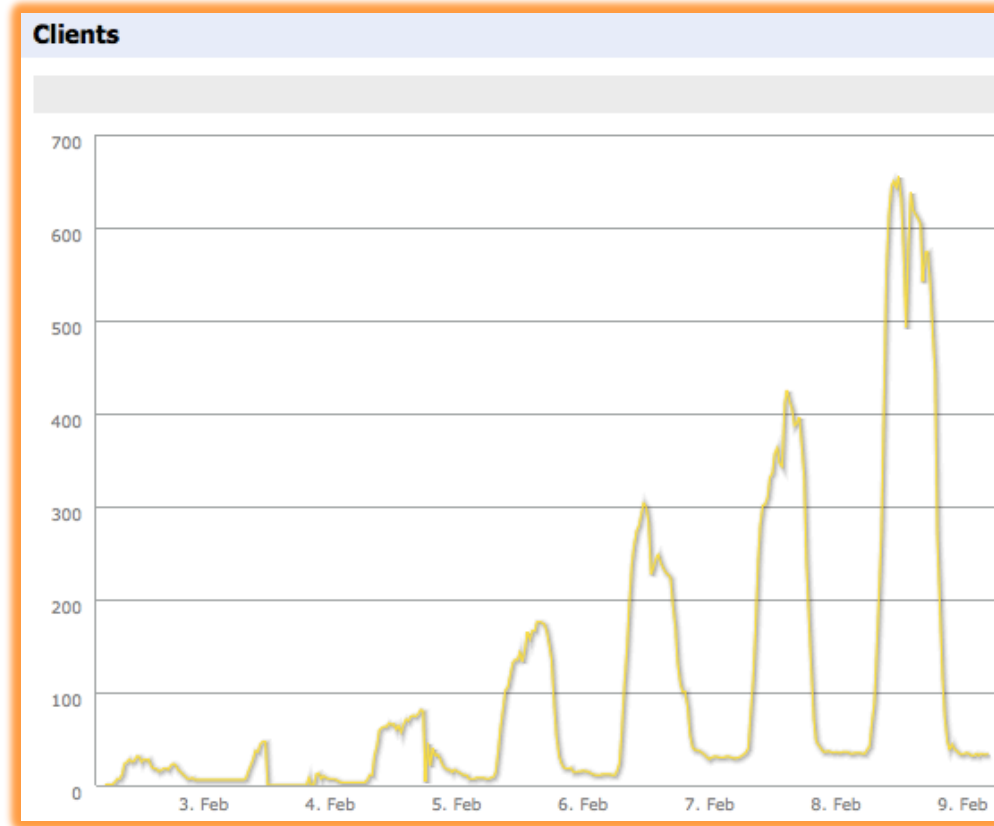


ICANN 52 – Systems Monitoring



ICANN 52 – Network Utilization

WiFi Clients

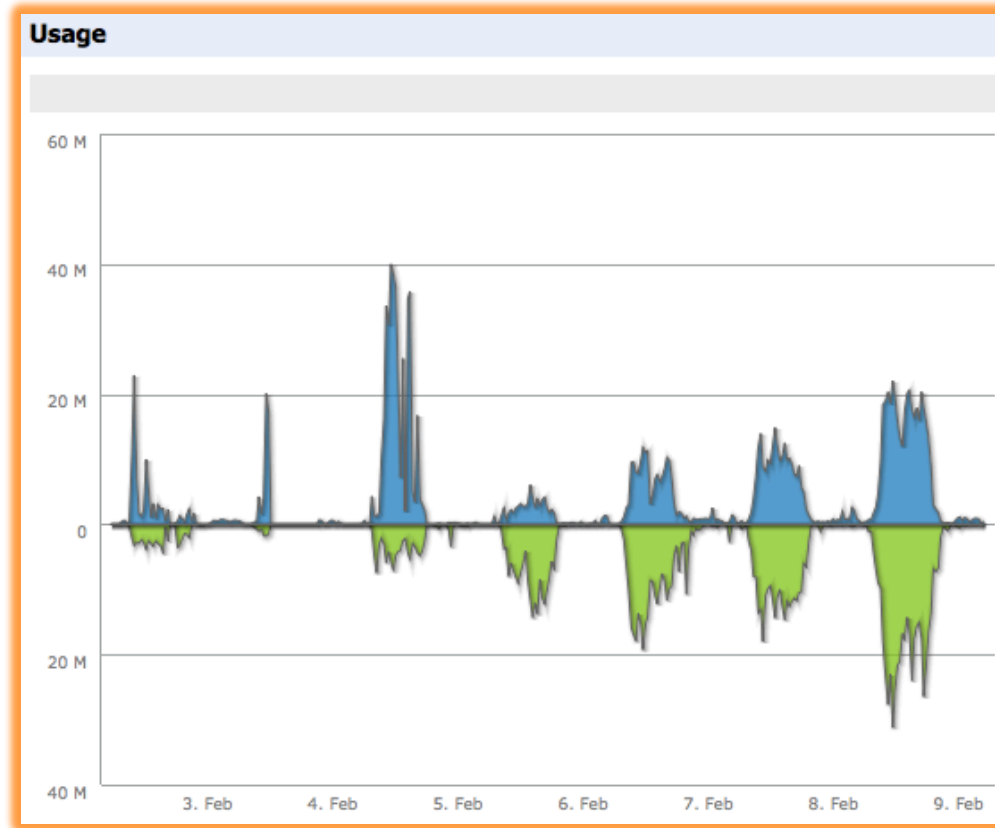


Estimated 2100 wireless devices for ICANN-52.

As of 9 Feb, 2015 at 5am

ICANN 52 – Network Utilization

Wireless Bandwidth Utilization



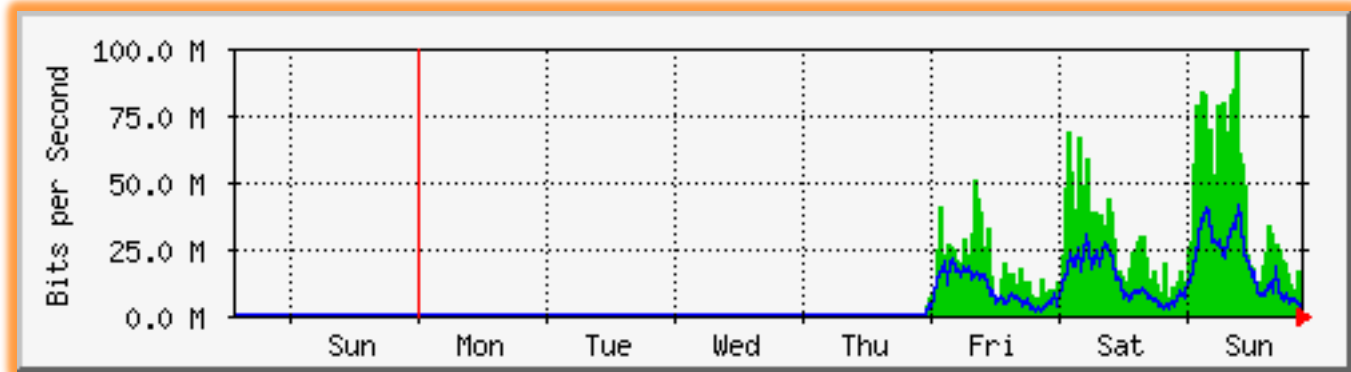
Estimated 550Mbps during ICANN-52.

As of 9 Feb, 2015 at 5am

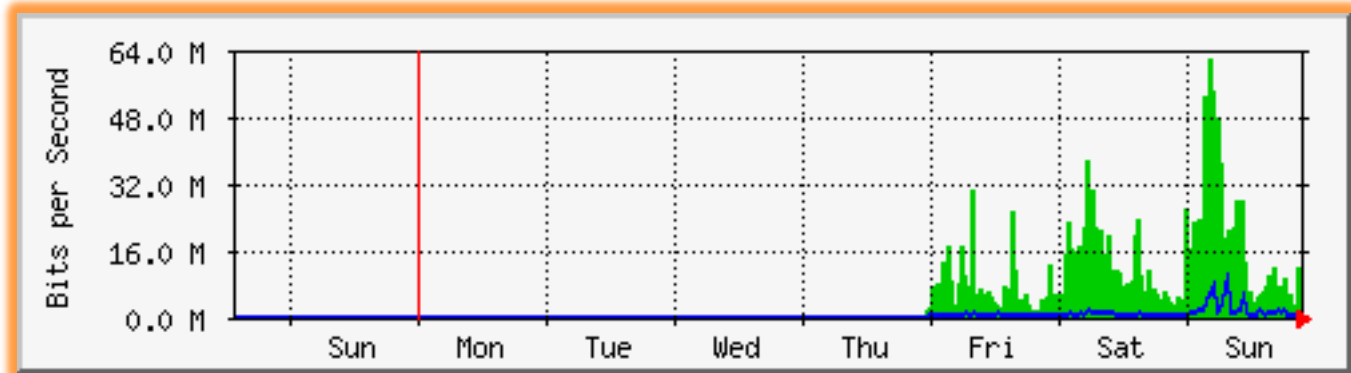
ICANN 52 – Network Utilization

ISP Utilization

Router 1

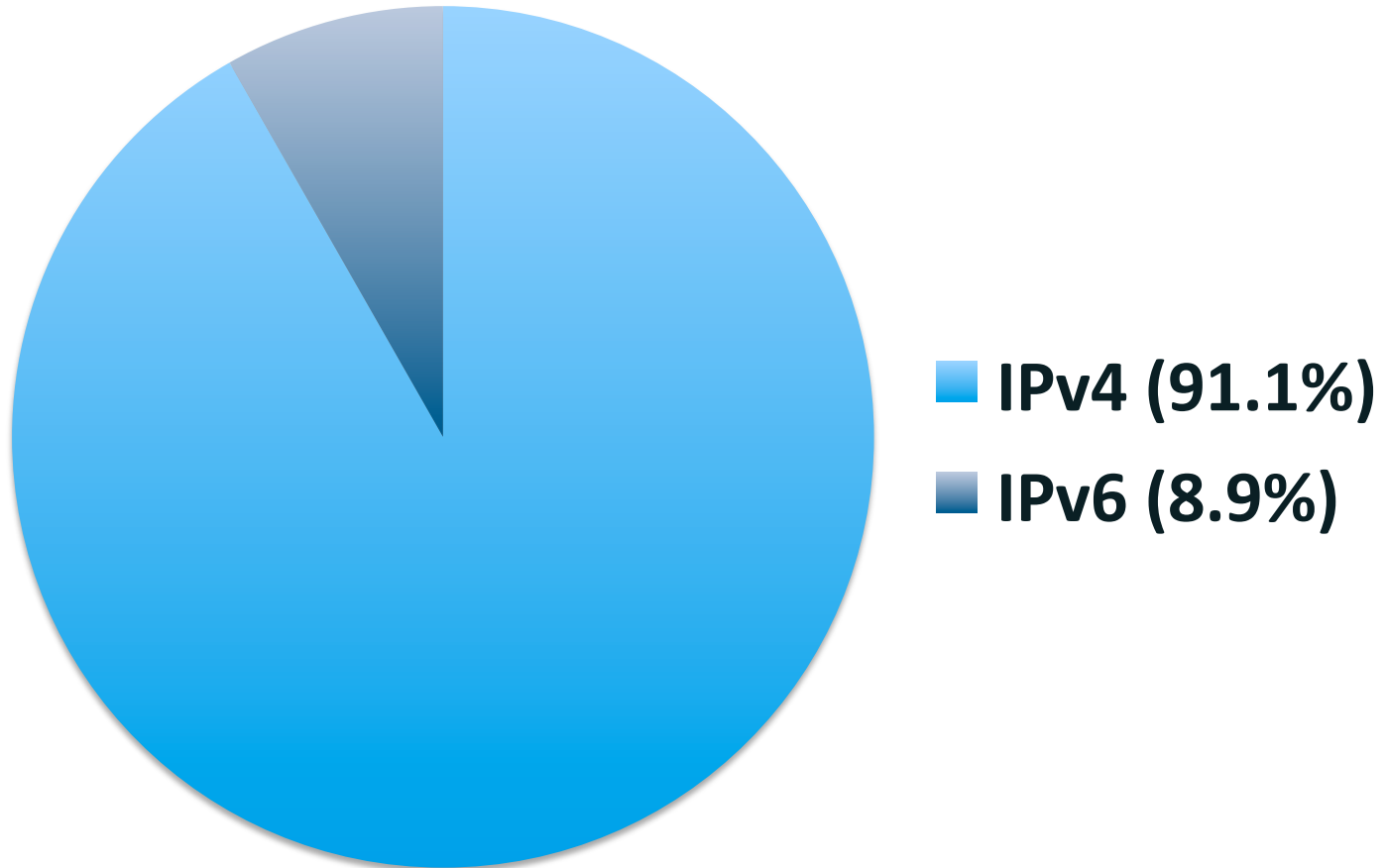


Router 2



As of 9 Feb, 2015 at 5am

ICANN 52 - IPv6 Utilization



As of 8 Feb, 2015 at 5pm



Questions?

**Visit ICANN's
Network Operations Center (NOC)
in the Enterprise Room**