ICANN Meetings Setup

Cory Schruth
Meetings Technical Services Manager
ICANN-52 | February 2015
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
MTS Services

○ RTT / Real Time Text / Scribing

○ Started utilizing remote scribes in 2010.
MTS Services

- Presentation & Cyber Café Laptops
Remote Hub Control
NETMundial, Sao Paulo Brazil, April 2014

- 7 Languages
- 10 Locations
MTS Services

- Phone Bridges, Telephone Calls
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.

ONLINE 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
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)

Service Type
Audio Stream Live (High Bandwidth)
Virtual Meeting Room Stream Live (High Bandwidth)

Materials
Title
ccNSO Tech Day | Presentation 2 [EN]
ccNSO Tech Day | Presentation 1 [EN]
ccNSO Tech Day | Agenda [EN]

Item Type
Presentation
Presentation
Agenda

File Size
[PDF 564.54 KB]
[PDF 771.15 KB]
[PDF 194.46 KB]

Language
English
English
English
MTS Services

- Digital Signage

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Monday, October 13

**6:37:36**

**Tech Day**

- **Westside**

**ccNSO Council Preparatory Meeting**

- **Westwood**

**Meeting of the CWG to Develop an IANA Stewardship Transition Proposal**

- **Pacific Palisades**

**ccNSO Secure Email Communication for ccTLD Incident Response Working Group**

- **Westwood**

**Global Domains Division (GDD) Update**

- **Beverly Hills**

**All Things WHOIS—Now and in the Future**

- **Los Angeles**

**Finance Open Session**

- **Brentwood**

**At-Large Metrics Working Group**

- **Olympic**

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Welcome to ICANN 51

Los Angeles

#ICANN51

Your source for ICANN51 news

RT @jeanguillon: @axellemaire Pas d’ICANN 51 ? #icann51 #newgldis @docunum

JulienNaillat: @julien_naillat

bels made art for the space age with light and flamethrowers
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

 Venues | 6 MONTHS &
 Survey | 4 MONTHS &
 ISPs | 3 MONTHS &
 Shipping | 2 MONTHS &
 Travel | 9 DAYS BEFORE
 Deployment | 7 DAYS BEFORE
 Network | 5 DAYS BEFORE
 Support | OPENING CEREMONY
ICANN Meeting Deployment Timeline

Support:
- Power/Wi-Fi
- Remote Hubs
- Phone Bridges
- Digital Signage
- MP3 Streaming
- Adobe Connect
- Audio Recordings
- Real-Time Scribes
- Presenter Laptops
- Registration Kiosks

And even more...

DAYS DURING & AFTER THE ICANN MEETING

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<td>Network</td>
<td>Packing</td>
<td>Travel</td>
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ICANN Meeting Network

Connecting everything together
ICANN Meeting Network Layout

Internet

Juniper MX5 Router

Juniper MX5 Router

Juniper EX4550 Switch

Aruba WiFi Controller 1

Aruba WiFi Controller 2

Distribution Switch

Distribution Switch

Meeting Room

Meeting Room

Meeting Room

...
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.
Some venues are more difficult than others
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 – 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

IPv4 (91.1%)
IPv6 (8.9%)
Questions?

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