

The background of the poster is a scenic view of the Abu Dhabi skyline across a body of water. In the foreground, a curved promenade with a white metal railing and a white park bench is visible. The sky is blue with light clouds. The text is overlaid on the right side of the image.

ICANN
60

ABU DHABI

28 October to
3 November 2017

ANNUAL GENERAL

By the Numbers

ICANN | PUBLIC MEETINGS

What is an ICANN Public Meeting?

ICANN Public Meetings provide the opportunity for an internationally diverse group of individuals and organizations to come together to discuss and develop policies for the Internet's naming systems.

ICANN's international meetings have been a staple of ICANN's multistakeholder bottom-up consensus-building model since its formation in 1998.

Why do we publish technical data from ICANN Public Meetings?

Just like any other event, ICANN meetings need to innovate, adapt, and evolve to meet their purpose: to support ICANN's multistakeholder model. One of the challenges that conference organizers face is to improve the conference, meeting after meeting, and maximize attendees' engagement and satisfaction.

This is where meeting data comes into play. This data provides reliable information on what attendees want, what ICANN is doing well, and where ICANN has opportunities to improve. By leveraging this data, we can be a stable and transparent organization that is responsive to our community's needs.

For ICANN60, beyond the graphs and charts, we have published the raw data for each area. One of our biggest challenges is to standardize the information that we collect to ensure that data is consistent. Over the past few meetings, we have automated the collection of data through improvements in the registration system and meeting management software. Ultimately, our goal is to continue to improve on our metrics and to provide our community with more valuable data.

If you would like to learn more about ICANN Meetings Technical Services or have questions about this technical report, please contact: mts@icann.org.

Where can I find more information about ICANN Public Meetings?

Each meeting has a dedicated website that acts as a broad guide to the conference with details on the venue, information about the local area, a program of social events during the week, and answers to frequently asked questions about ICANN meetings.

To find out how to participate, go to <https://meetings.icann.org/en/about>.

To learn more about the Fellowship Program, go to <http://www.icann.org/en/fellowships>.

For a schedule of past and upcoming meetings, go to <http://meetings.icann.org/calendar>.

For the press page, go to <http://www.icann.org/en/press>.

If you belong to an organization that is interested in having an exhibit at a meeting or in sponsoring a meeting, please contact: meeting-sponsorship@icann.org.

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ICANN60 By the Numbers

Attendee Profile



Attendee Profile

Attendee Profile for Abu Dhabi, United Arab Emirates

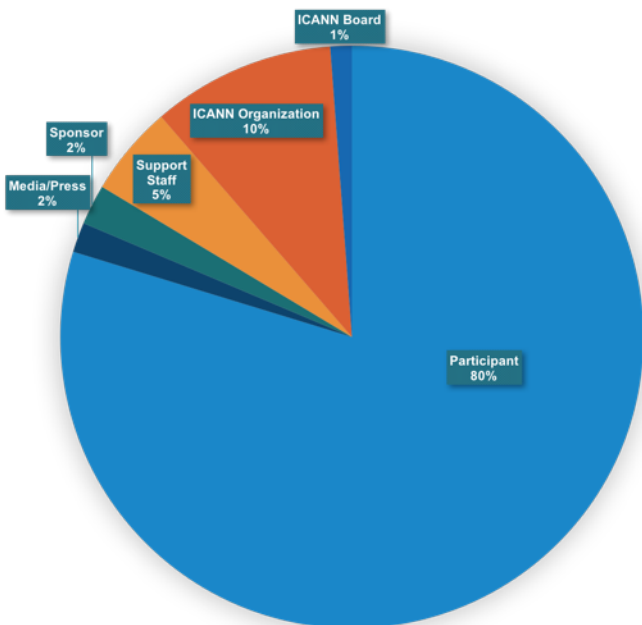
ICANN60 had 1,929 attendees, with 718 coming from the APAC region, of whom 288 were from the Middle East. Of those, 443 were attending an ICANN Public Meeting for the first time.

ICANN Public Meetings are a central principle of ICANN's multistakeholder model because they provide a venue for advancing policy work, conducting outreach, exchanging best practices, conducting business deals, interacting with members of the ICANN community, and with ICANN Board and staff, and learning about ICANN.

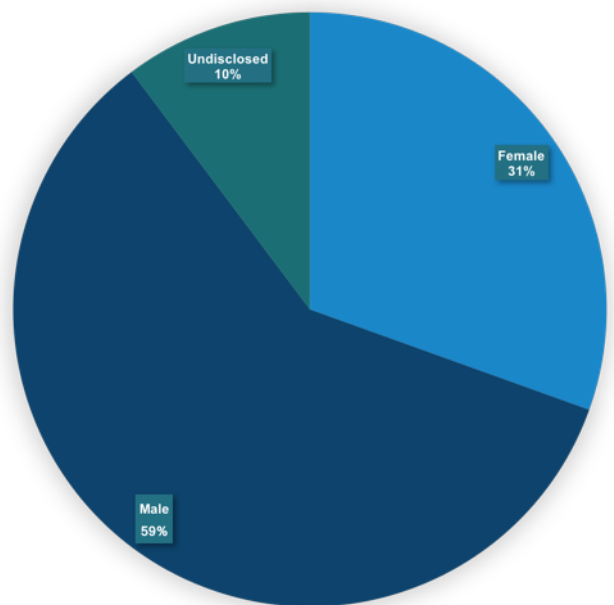
For this section, the attendee profile metrics are derived from data that users provided during the meeting registration process. Attendees were not required to answer all questions.



ICANN60 Attendee Profile by Badge Type

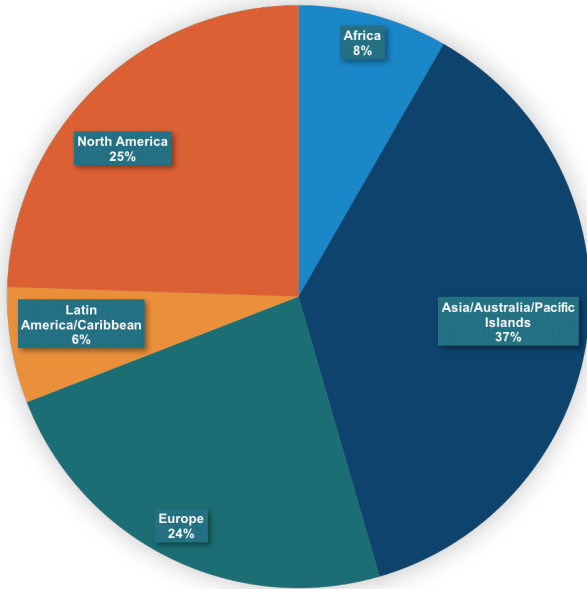


ICANN60 Attendee Profile by Gender

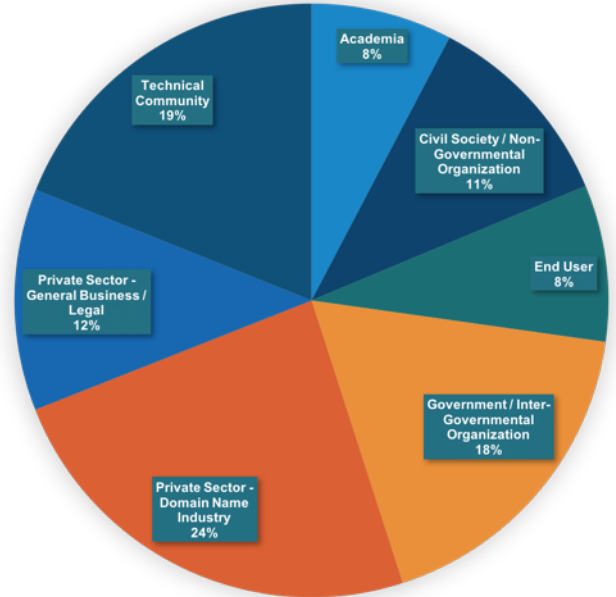


Attendee Profile

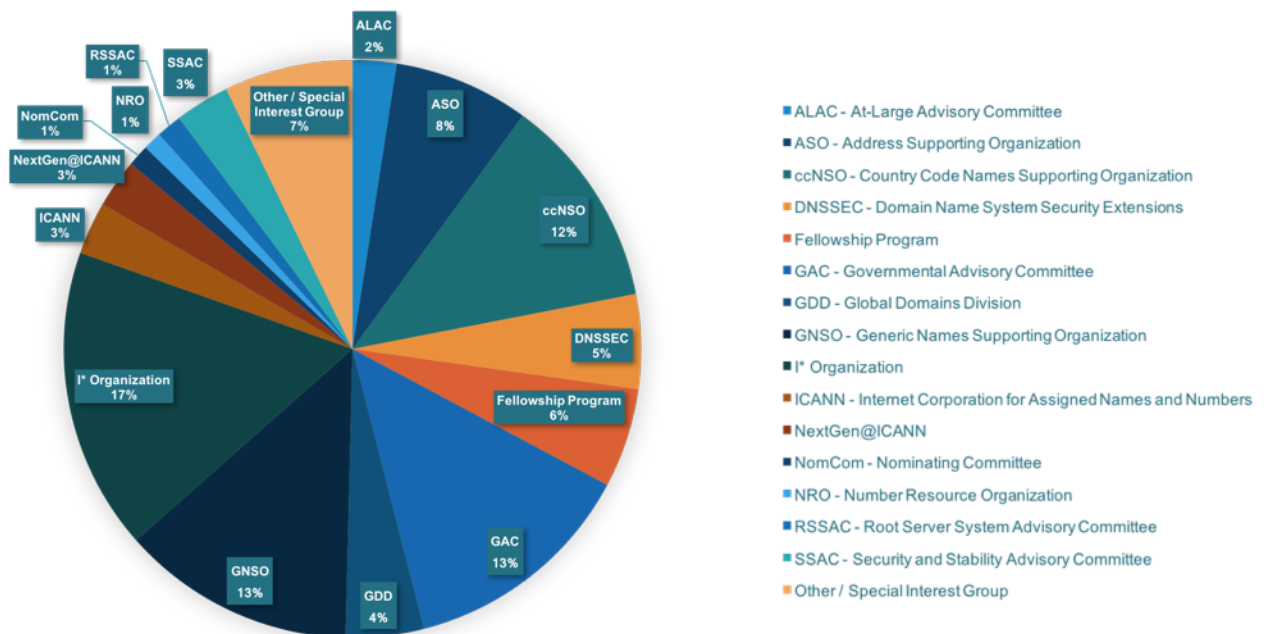
ICANN60 Attendee Profile by ICANN Regions



ICANN60 Attendee Profile by Stakeholder Classification



ICANN60 Attendee Profile by Groups of Interest



Attendee Profile by Region

Attendee Profile by ICANN Regions

Geographic diversity is fundamental to the ICANN organization. The ICANN Bylaws (Article VI, Section 5) currently define five geographic regions: Africa, Asia/Australia/Pacific, Europe, Latin America/Caribbean, and North America.

The ICANN geographic regions were originally defined to ensure regional diversity in the composition of the ICANN Board. Subsequently, these definitions were also applied to the Generic Names Supporting Organization (GNSO), At-Large Advisory Committee (ALAC), and the Country Code Names Supporting Organization (ccNSO).

The attendee profile metrics for ICANN60 are derived from data that users provided during the meeting registration process.

Selections are based on the five ICANN geographic regions shown on the map below.

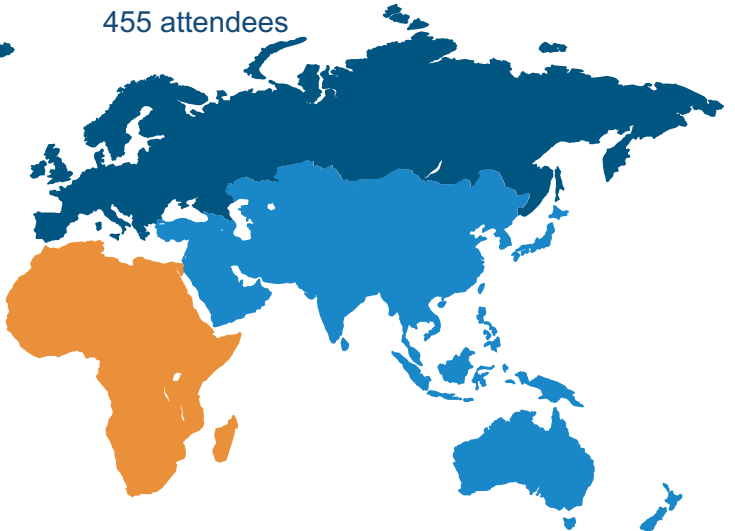
North America

472 attendees



Europe

455 attendees



Latin America/ Caribbean

124 attendees



Africa

160 attendees



Asia/Australia/ Pacific

718 attendees



Africa: Regional Attendee Profile

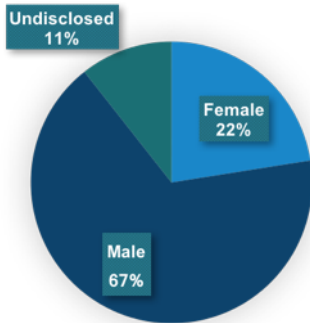
Attendee Profile for Africa



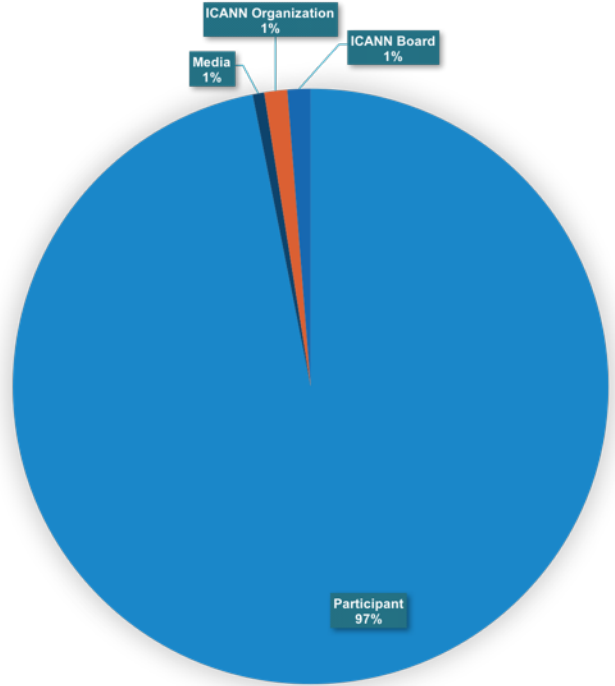
The attendee profile metrics for ICANN60 are derived from data that users provided during the meeting registration process.

160 Regional Participants
40 Newcomers

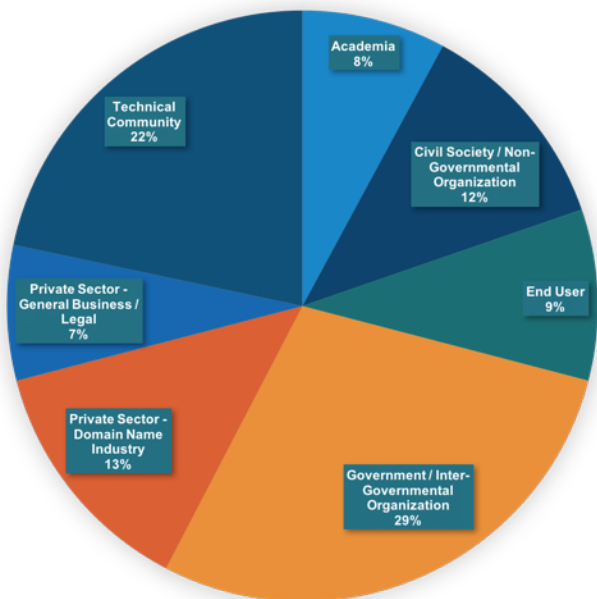
ICANN60 African Region Attendee Profile by Gender



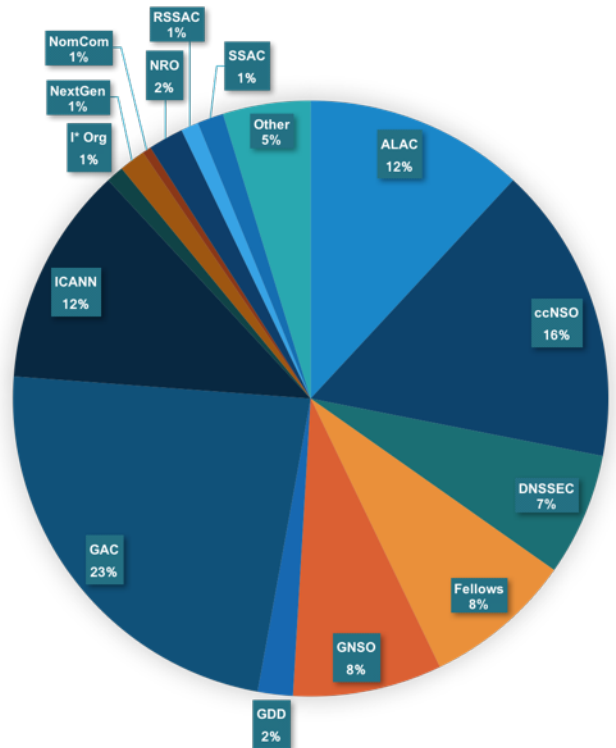
ICANN60 African Region Attendee Profile by Badge Type



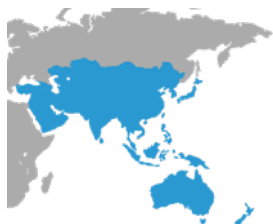
ICANN60 African Region Attendee Profile by Stakeholder Classification



ICANN60 African Region Attendee Profile by Groups of Interest



Asia/Australia/Pacific: Regional Attendee Profile

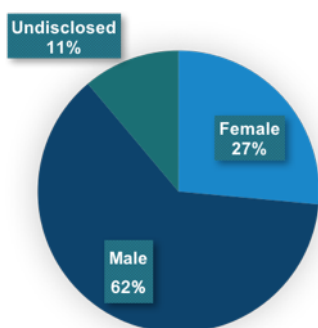


Attendee Profile for Asia, Australia, and the Pacific

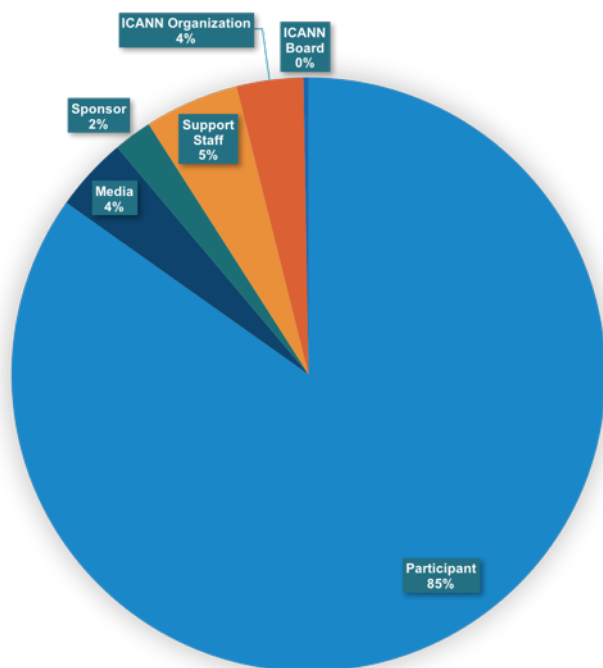
The attendee profile metrics for ICANN60 are derived from data that users provided during the meeting registration process.

718 Regional Participants
443 Newcomers

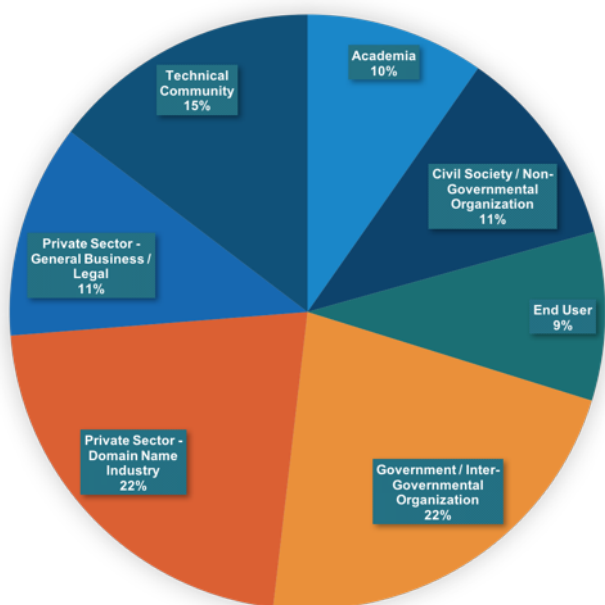
ICANN60 Asian/Australian/Pacific Region Attendee Profile by Gender



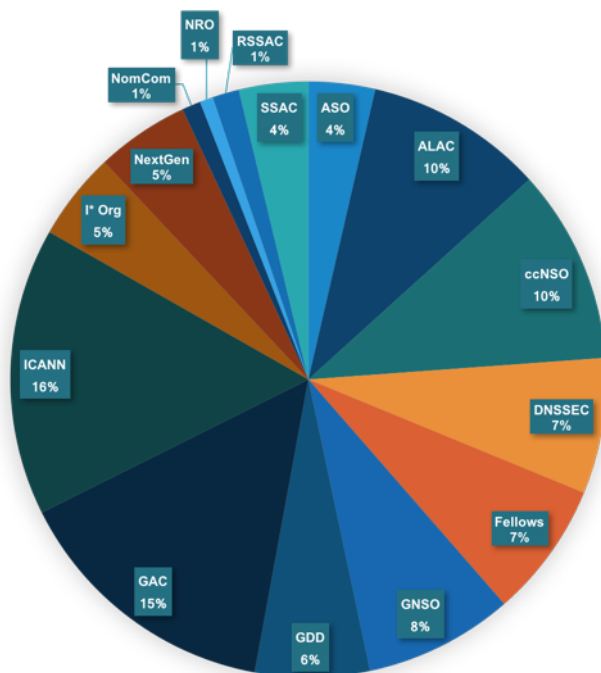
ICANN60 Asian/Australian/Pacific Region Attendee Profile by Badge Type



ICANN60 Asian/Australian/Pacific Region Attendee Profile by Stakeholder Classification



ICANN60 Asian/Australian/Pacific Region Attendee Profile by Groups of Interest



Asia/Australia/Pacific: Middle East Regional Attendee Profile

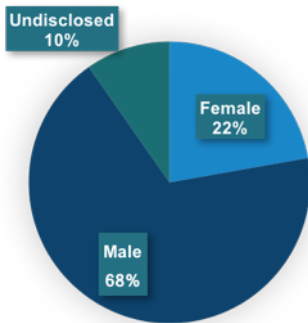


Attendee Profile for Middle East

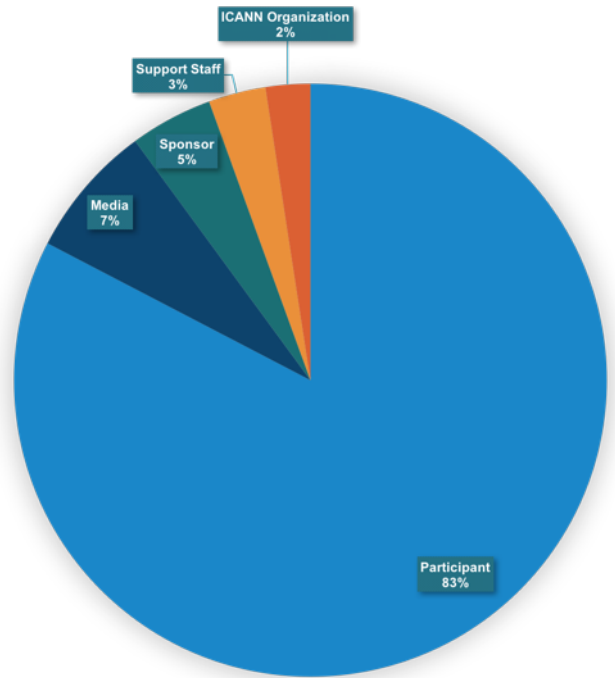
The attendee profile metrics for ICANN60 are derived from data that users provided during the meeting registration process.

288 Regional Participants
239 Newcomers

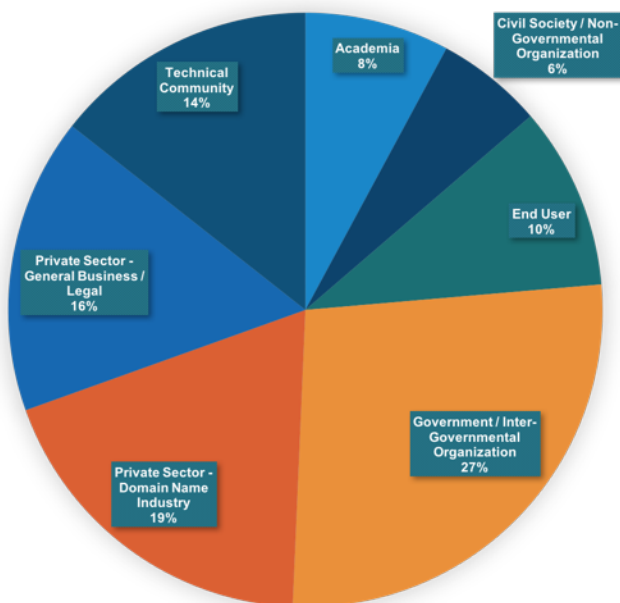
ICANN60 Middle East Region Attendee Profile by Gender



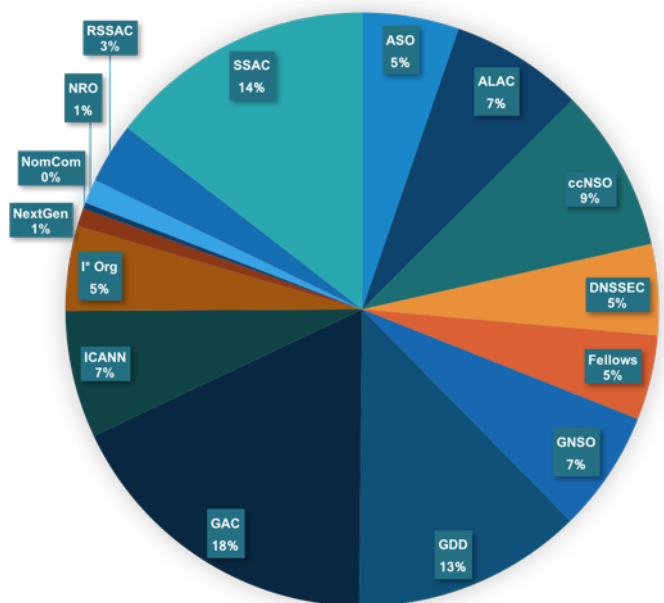
ICANN60 Middle East Region Attendee Profile by Badge Type



ICANN60 Middle East Region Attendee Profile by Stakeholder Classification



ICANN60 Middle East Region Attendee Profile by Groups of Interest



Europe: Regional Attendee Profile

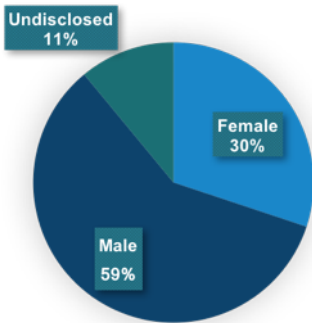


Attendee Profile for Europe

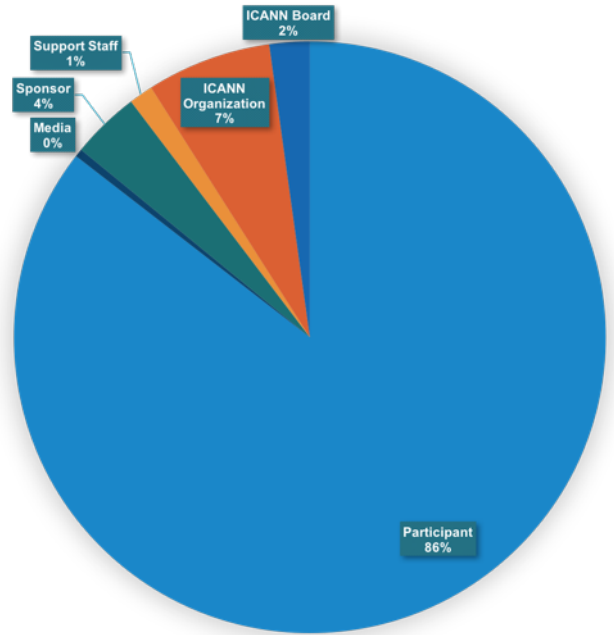
The attendee profile metrics for ICANN60 are derived from data that users provided during the meeting registration process.

455 Regional Participants
80 Newcomers

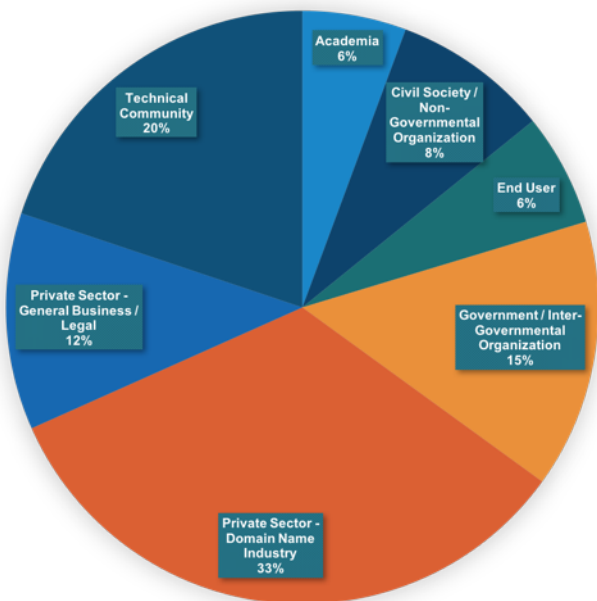
ICANN60 European Region Attendee Profile by Gender



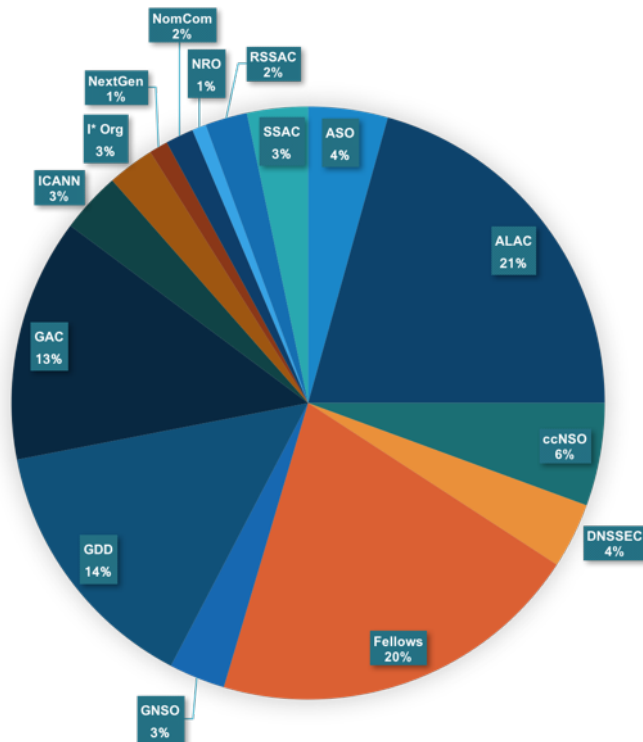
ICANN60 European Region Attendee Profile by Badge Type



ICANN60 European Region Attendee Profile by Stakeholder Classification



ICANN60 European Region Attendee Profile by Groups of Interest



Latin America/Caribbean: Regional Attendee Profile

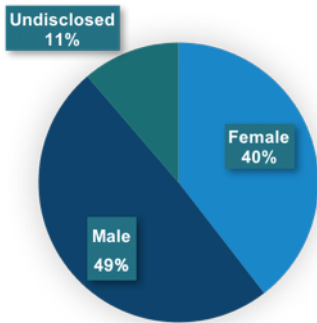
Attendee Profile for Latin America and Caribbean Islands



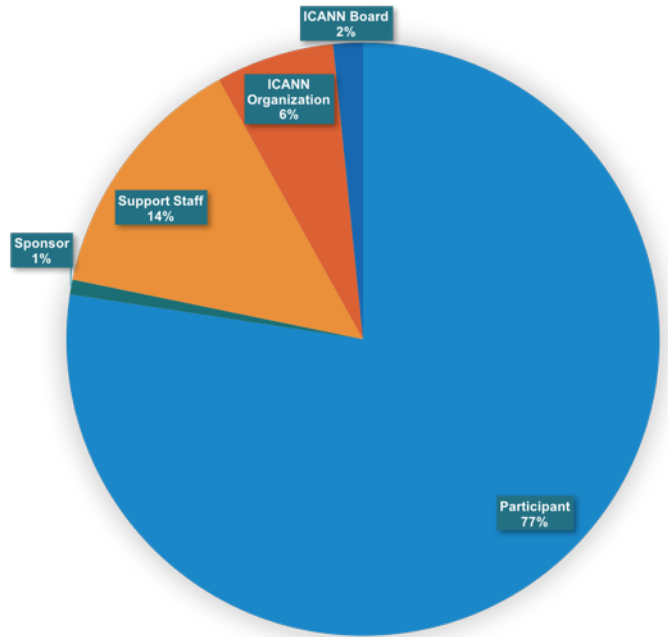
The attendee profile metrics for ICANN60 are derived from data that users provided during the meeting registration process.

124 Regional Participants
24 Newcomers

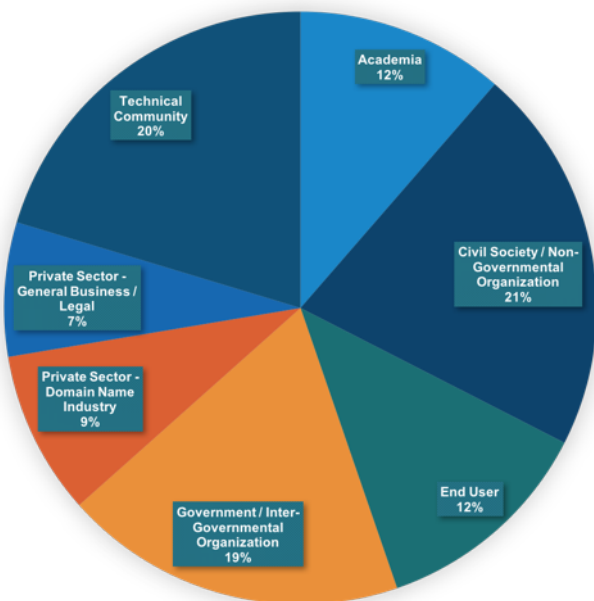
ICANN60 Latin American/Caribbean Region Attendee Profile by Gender



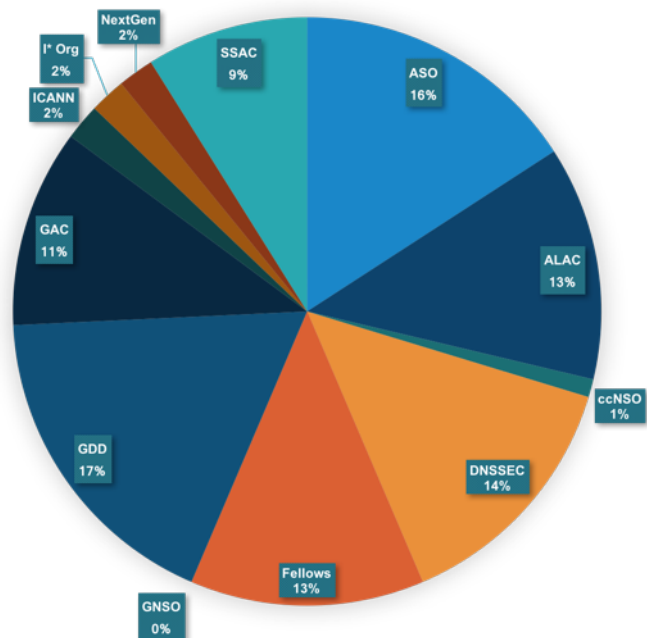
ICANN60 Latin American/Caribbean Region Attendee Profile by Badge Type



ICANN60 Latin American/Caribbean Region Attendee Profile by Stakeholder Classification



ICANN60 Latin American/Caribbean Region Attendee Profile by Groups of Interest



North America: Regional Attendee Profile

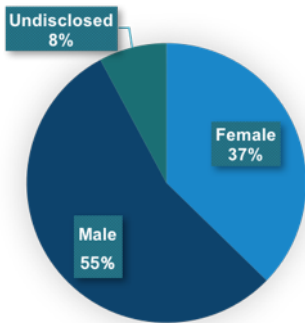
Attendee Profile for North America

The attendee profile metrics for ICANN60 are derived from data that users provided during the meeting registration process.

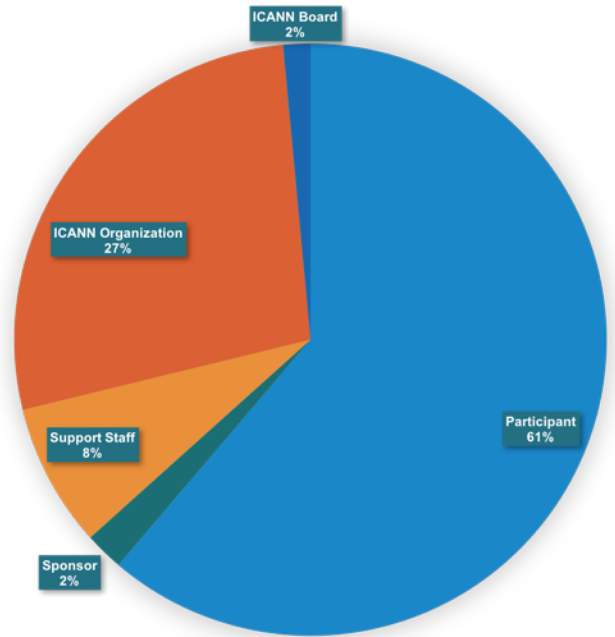


472 Regional Participants
72 Newcomers

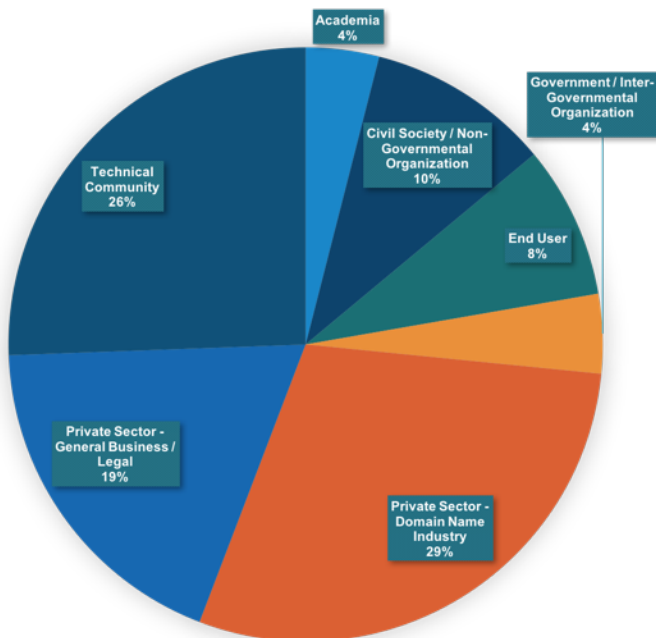
ICANN60 North American Region Attendee Profile by Gender



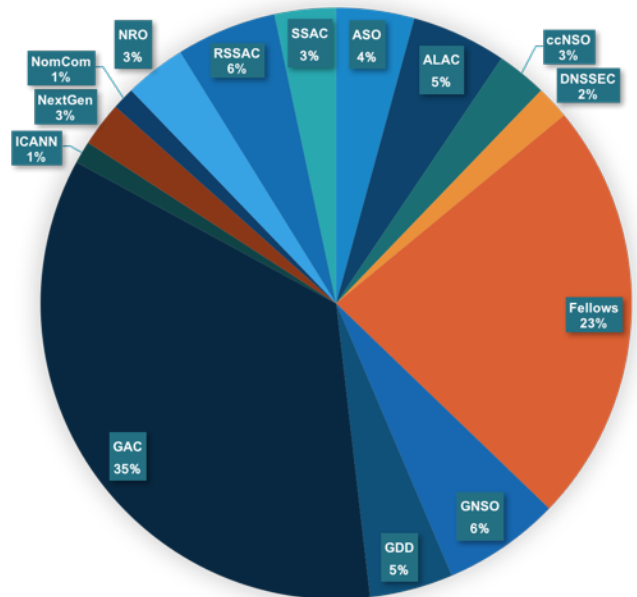
ICANN60 North American Region Attendee Profile by Badge Type



ICANN60 North American Region Attendee Profile by Stakeholder Classification



ICANN60 North American Region Attendee Profile by Groups of Interest



ICANN60 By the Numbers

Session Statistics



Session Statistics

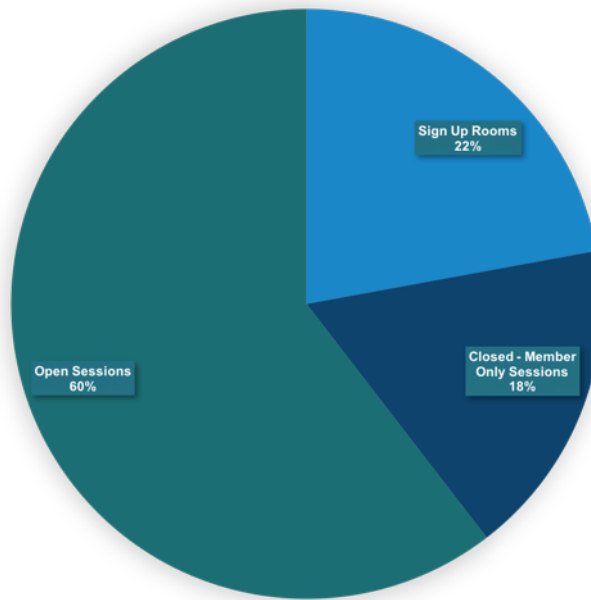
Session Statistics for Abu Dhabi, United Arab Emirates

Each “type” of session has a different structure and purpose:

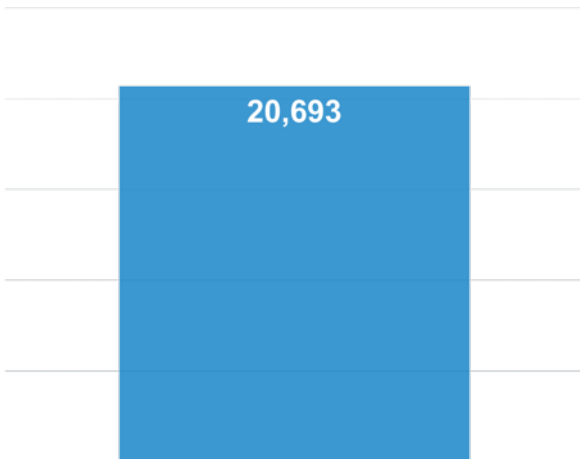
- Open sessions are open to everyone, and are supported with remote participation tools for additional outside participation.
- Closed sessions are typically open only to members of a specific group, and may have limited remote participation.
- Sign Up Rooms are on-site impromptu meetings, held in session rooms that have open time slots.

This chart breaks down meetings conducted by session type.

Counts by Session Type

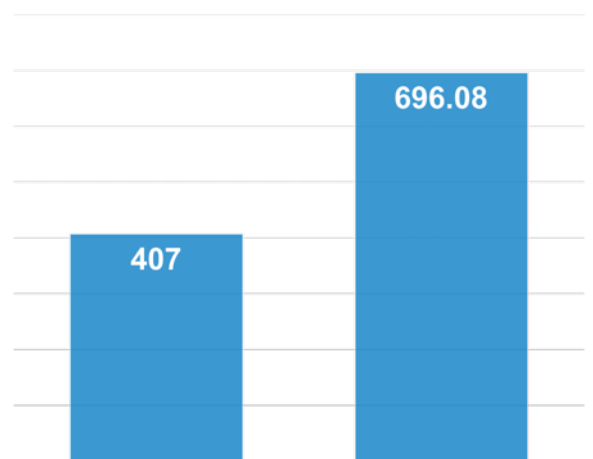


Actual Attendance for All Sessions



Based on Hourly Counts of Session Rooms

Session Count and Session Hours



TOTAL SESSION COUNTS TOTAL SESSION HOURS

Session Statistics

Session Attendance – Top 50 Sessions

This list ranks the top 50 sessions based on attendance. The attendance number comes from midsession manual headcounts done every hour. The count includes only people who were physically present in the session room at the time of the count.

Session Title	Wireless Clients
1 ICANN60 Opening Ceremony	1,137
2 Public Forum 1	806
3 Public Forum 2	782
4 Steve Crocker Tribute & Toast	681
5 Cross Community Session: General Data Protection Regulation (GDPR) Implications for ICANN	667
6 ICANN Public Board Meeting	585
7 Joint Meeting: GAC & ICANN Board	520
8 Cross Community Session: DNS Abuse Reporting for Policymaking & Mitigation	439
9 Joint Meeting: GAC & ccNSO	427
10 GAC discussion on WHOIS/RDS and GDPR	426
11 Joint Meeting: GAC & ALAC	397
12 Review Point for GAC Communiqué	386
13 Open Q&A with ICANN Organization Executive Team	377
14 ICANN Community Recognition Program	356
15 GAC Chair Election results	348
16 Cross-Community Session: Community Feedback on Concluding CCWG-Accountability-WS2	336
17 ICANN/GAC Operational Processes	331
18 Cross Community Session: Jurisdictional Challenges for ICANN	325
19 GAC discussion on IGOs and Red Cross Red Crescent Protections	325
20 Joint Meeting: ICANN Board & GNSO - Commercial Stakeholder Group (CSG)	322
21 GAC Public Safety Working Group Meeting	316
22 GAC Preparation for Meeting with the ICANN Board	315
23 GAC discussion on DNS Abuse Mitigation	307
24 GAC Discussion on Right Protection Mechanisms	294
25 GAC website session	291
26 GAC Communiqué drafting	283
27 Joint Meeting: ICANN Board & GNSO Contracted Party House (CPH)	281
28 GAC Operating Principles meeting	278
29 GAC preparation for ICANN63 High Level Governmental Meeting	265
30 Joint Meeting: ICANN Board & At-Large	261
31 GAC meeting with the NCUC	257
32 Cross Community Session: Operating Standards for Specific Reviews	242
33 Board GAC Recommendation Implementation (BGRI) Meeting	228
34 Joint Meeting: ICANN Board & ccNSO	220
35 ccNSO Members Meeting Day 1 (pt2)	218
36 GNSO Working Session	213
37 Tech Day - part 1	206
38 Joint Meeting: ICANN Board & Non-Commercial Stakeholders Group	202
39 Commonwealth Meeting	198
40 ccNSO Members Meeting Day 2 (pt 3)	197
41 ccNSO Members Meeting Day 1 (pt 1)	197
42 Joint Meeting: ICANN Board & Root Server System Advisory Committee (RSSAC)	194
43 GAC Underserved Regions Working Group	187
44 Internet Governance Public Forum	185
45 SSAC Public Meeting	185
46 GNSO New gTLD Subsequent Procedures PDP WG Face-to-Face	183
47 Joint Meeting: ICANN Board & Technical Experts Group (TEG)	183
48 ccNSO Members Meeting Day 2 (pt 2)	182
49 GNSO Council Public Meeting	178
50 Tech Day - part 2	177

ICANN60 By the Numbers

Mobile App Statistics

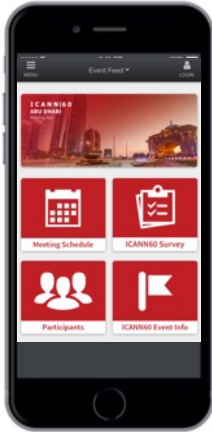


Mobile App Statistics

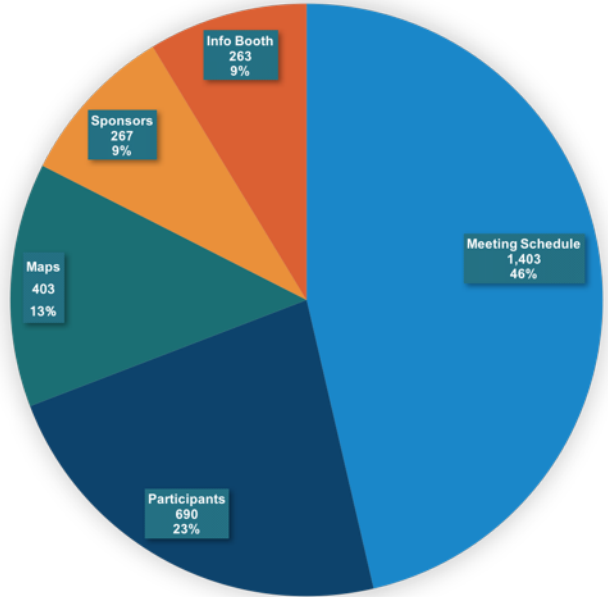
Mobile App | meetingapp.icann.org

The charts on this page show the ICANN meeting mobile app usage. We provided the first mobile app in a beta state for ICANN54 in Dublin, Ireland. The ICANN60 mobile app was the sixth iteration, and was available in the various app stores.

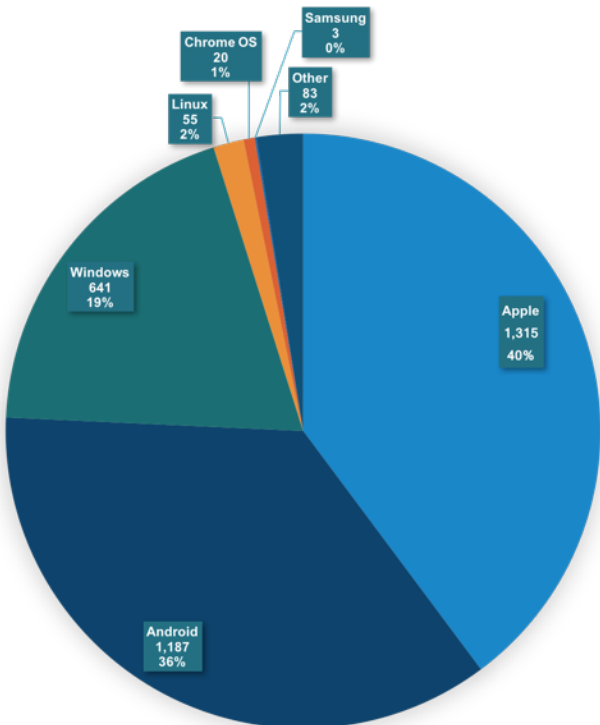
ICANN will continue to enhance the participants' mobile app experience and we will provide a new, more integrated mobile app platform for ICANN61.



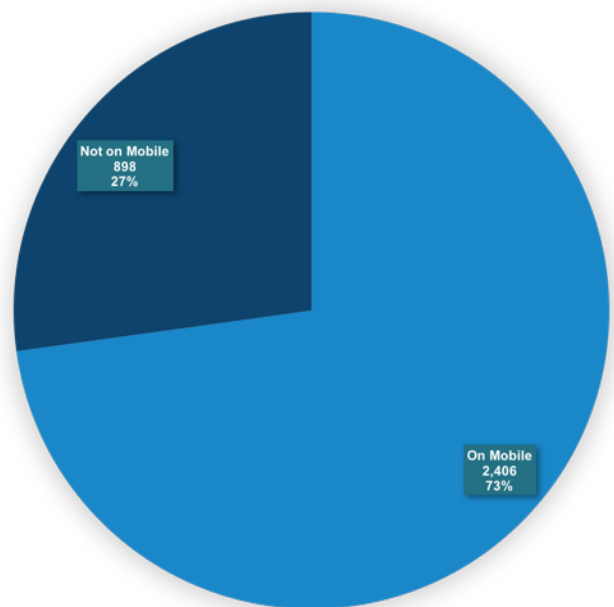
Top Viewed Modules



Mobile App Usage by Device

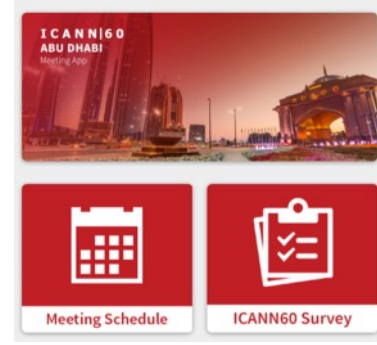
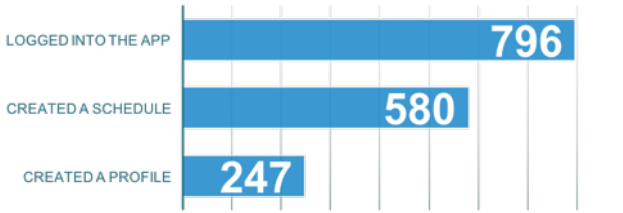


Mobile vs. Desktop Usage

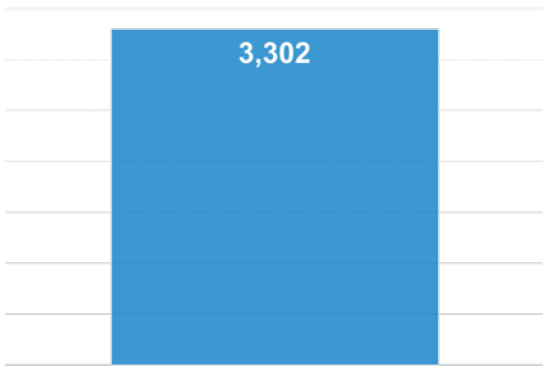


Mobile App Statistics

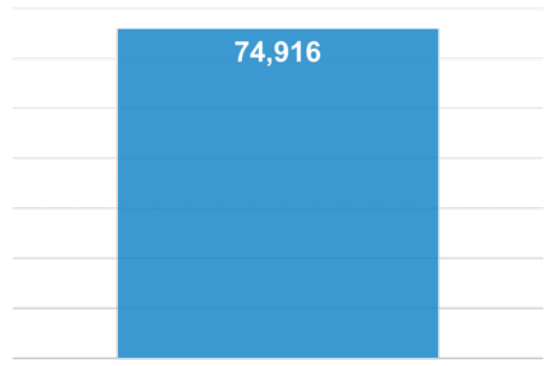
Mobile App Attendee Interaction



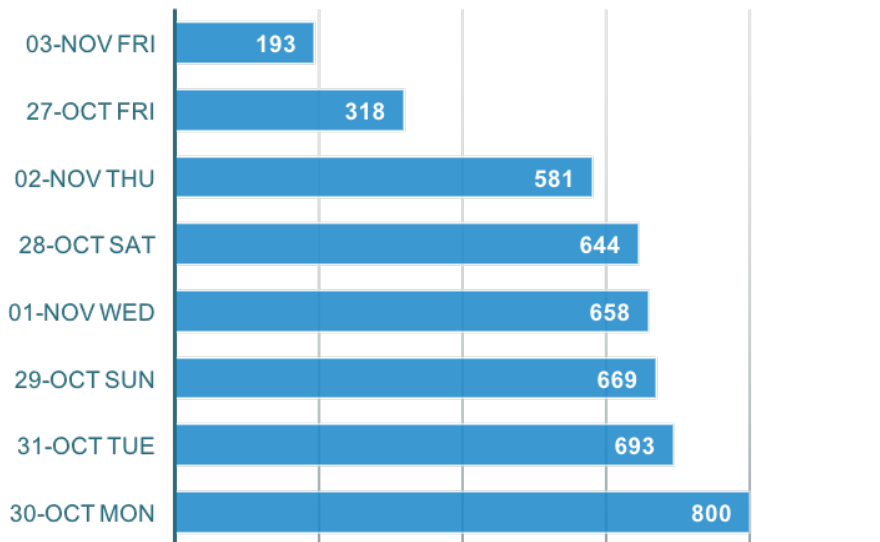
Total Unique Visitors (60 Days)



Total Page Views (60 Days)



Unique Visitors by Day



ICANN60 By the Numbers

Schedule Website Statistics



Schedule Website Statistics

Schedule Website | schedule.icann.org

For ICANN60, we used the SCHED platform for the fifth time, improving on the automated posting of the ICANN meeting schedule. The effort involved integration with ICANN's internal Event Management Software system database, eliminating hundreds of hours of manual data transfer.

ICANN will continue to enhance the user experience with the schedule website for ICANN61 by integrating the mobile app and schedule website to a single platform.



Schedule Website Quick Stats

Attendees Logged In

613

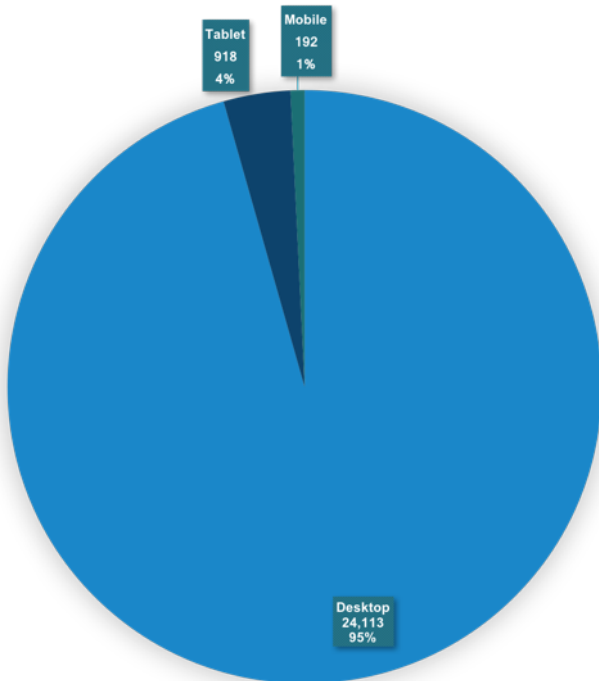
Schedules Created

474

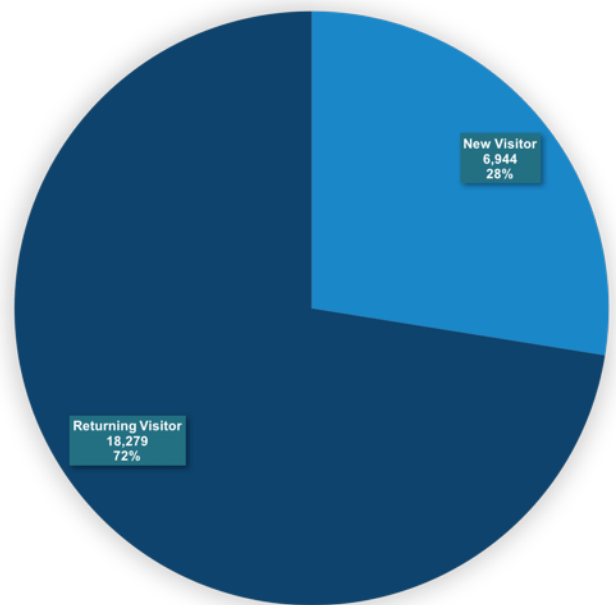
Average Session Duration

4.26 Minutes

Schedule Website Usage By Device Category



Schedule Website Traffic Type



Schedule Website Statistics

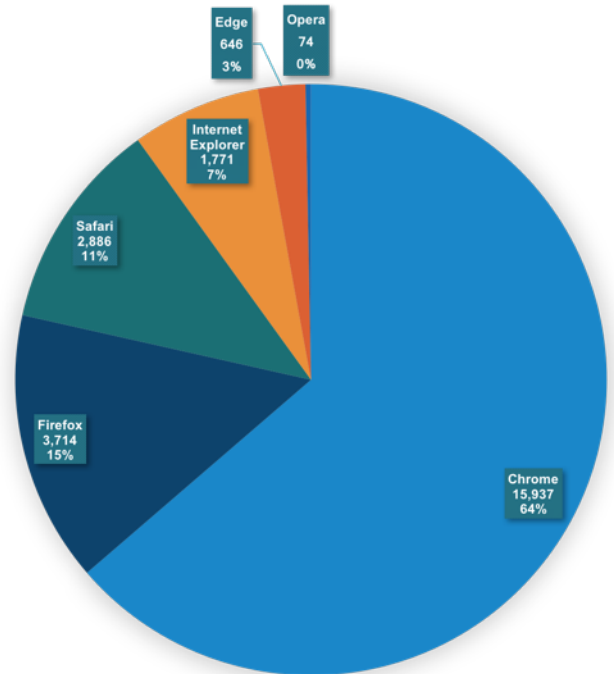
Schedule Website | schedule.icann.org

Before a meeting, the website includes language streaming links, remote participation links, and presentations. Shortly after a session concludes, the audio recording links are automatically posted.

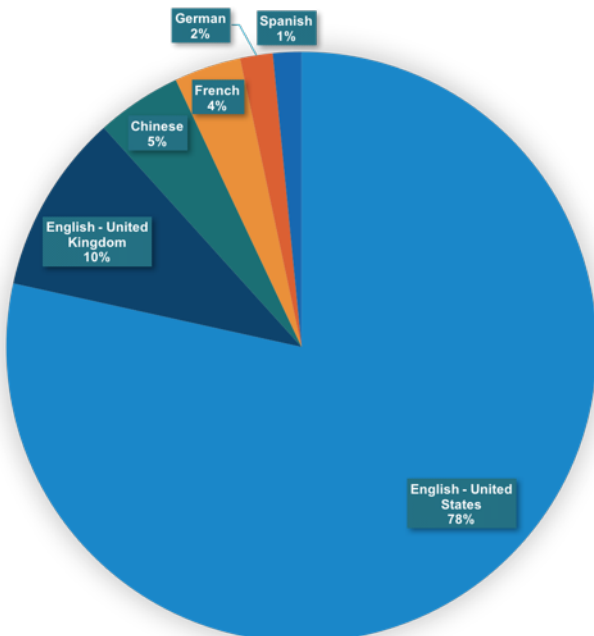
The Meetings Technical Services (MTS) team digitally tests all audio recordings before they are posted. Periods of dead air are removed so listeners don't have to fast-forward through gaps in a recording. When MTS completes this process, the Language Services Department processes and posts the associated transcripts.



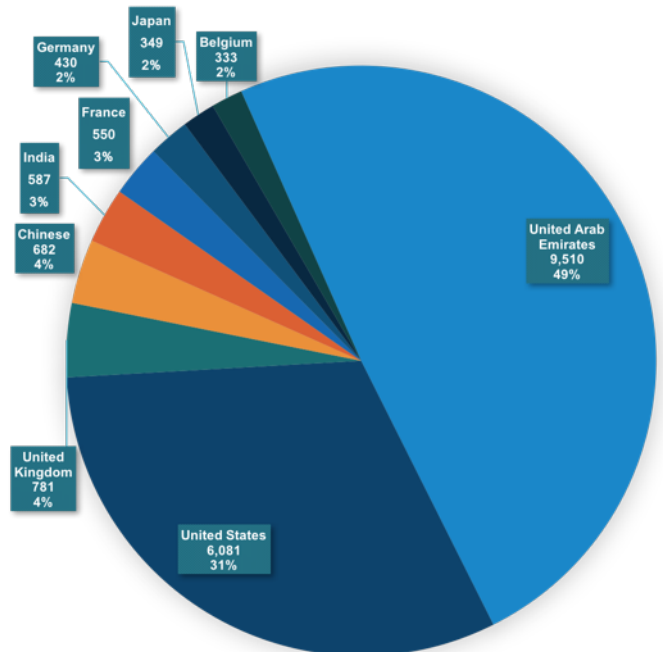
Schedule Website Usage by Browser



Schedule Website Users by Language



Schedule Website Top Usage by Country



Schedule Website Statistics

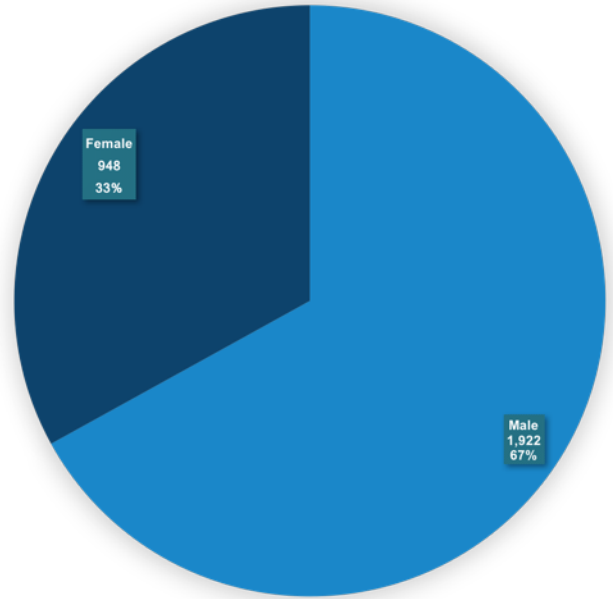
Schedule Website | schedule.icann.org

The use of Google Analytics permits ICANN to analyze data from schedule.icann.org in one place, allowing for a deeper understanding of the ICANN community's experience with the schedule website.

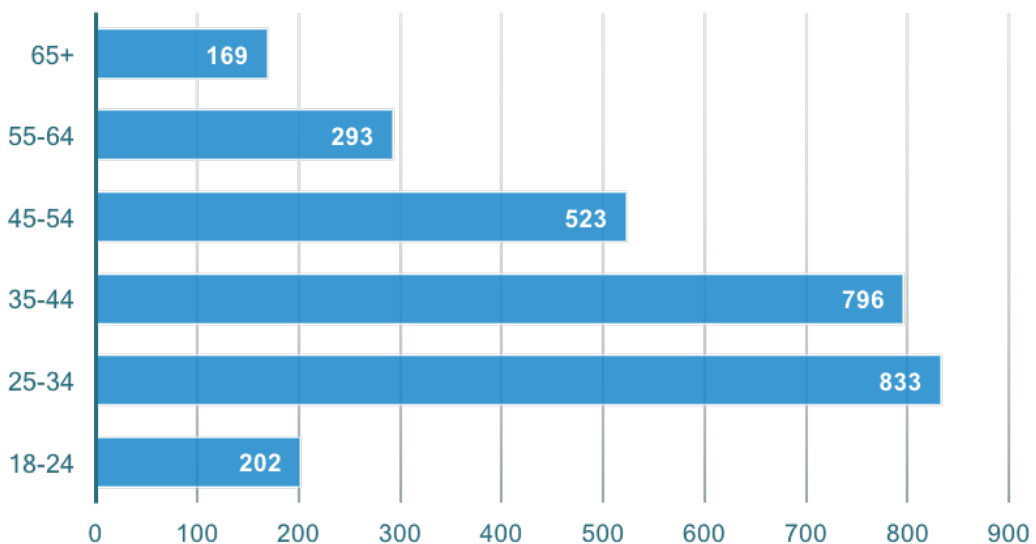
Google Analytics collects information about demographics and interests available in browser cookies. It uses Android or iOS Advertising IDs to generate identifiers that include information about demographics and gender. This data is summarized with data sampling and infers the characteristics of an individual visitor. For more information on Google Analytics, visit <https://support.google.com/analytics/>



Schedule Website Demographics by Gender



Schedule Website Demographics by Age



Schedule Website Statistics



Schedule Website Total Sessions

25,223

Schedule Website Total Users

7,891

Schedule Website Total Page views

84,955

Schedule Website
Average Pages per Session

3.37

Schedule Website
Average Session Duration
[H:MM:SS]

0:04:26

Schedule Website
Average Bounce Rate

45.88%

ICANN60 By the Numbers

Remote Participation Statistics



Remote Participation

Remote Participation

A very important facet of ICANN meetings is remote participation. This section presents metrics related to the services provided on-site during meetings.

Services Provided:

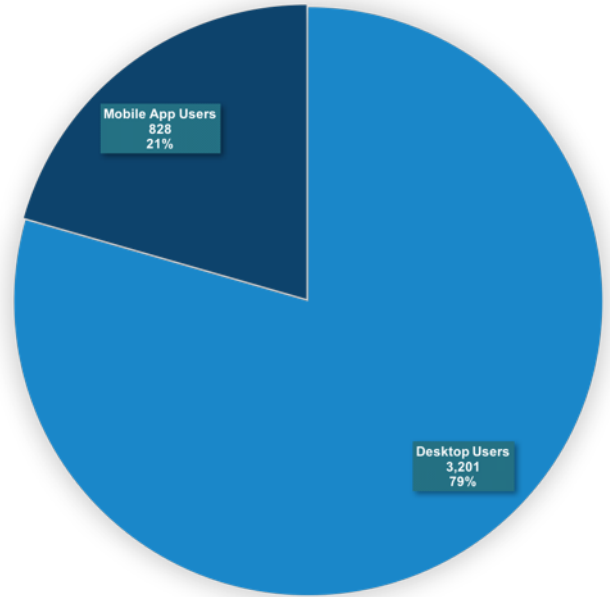
Adobe Connect – Visual platform with presentations, participant chat, video of session room, and other tools. Recordings of meetings are posted after the session concludes. A mobile app version is also available on app stores.

Video Streaming – Video and audio streamed live to Livestream.com, primarily for High Interest Topic sessions.

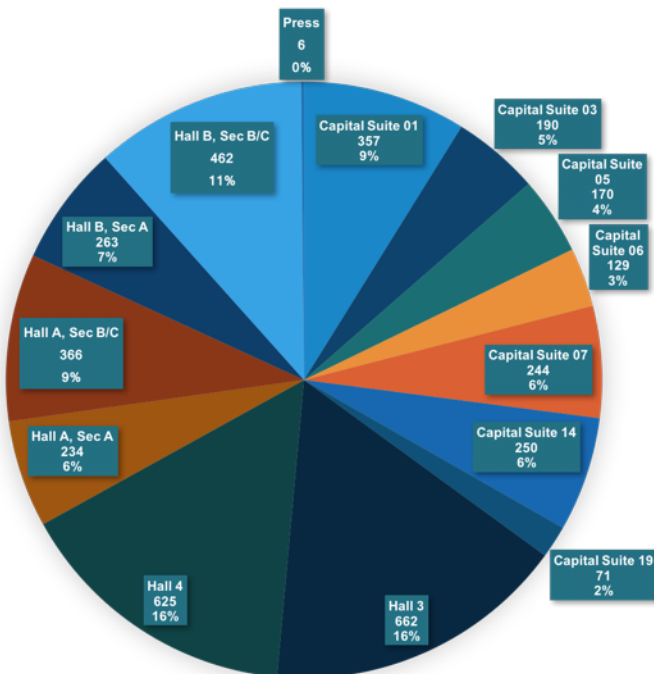
Audio Streaming – MP3 audio links for all languages available for a session, giving participants a choice of language. There are high quality streams for participants with broadband connections, and a low bandwidth stream for those with limited connectivity.

Scribing – Closed captioning is a live stream of text transcribed from the session’s audio, and is available in English for several sessions.

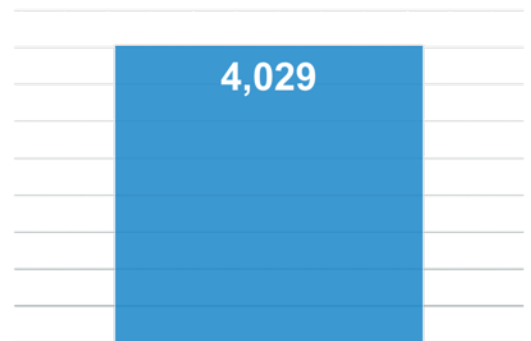
Adobe Connect
Total Unique Participants



Adobe Connect
Unique Users by Session Room



Adobe Connect
Total Unique Participants



This count includes participants connected on-site to Adobe Connect.

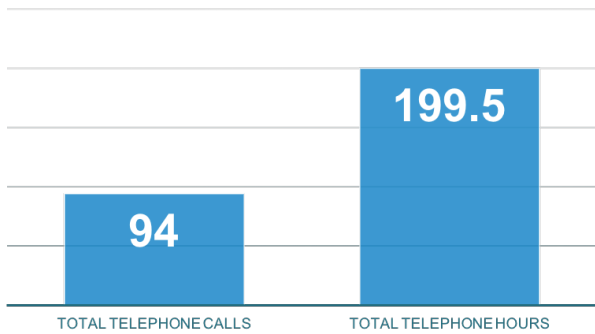
Remote Participation

Total Recorded Audio Hours of Meetings

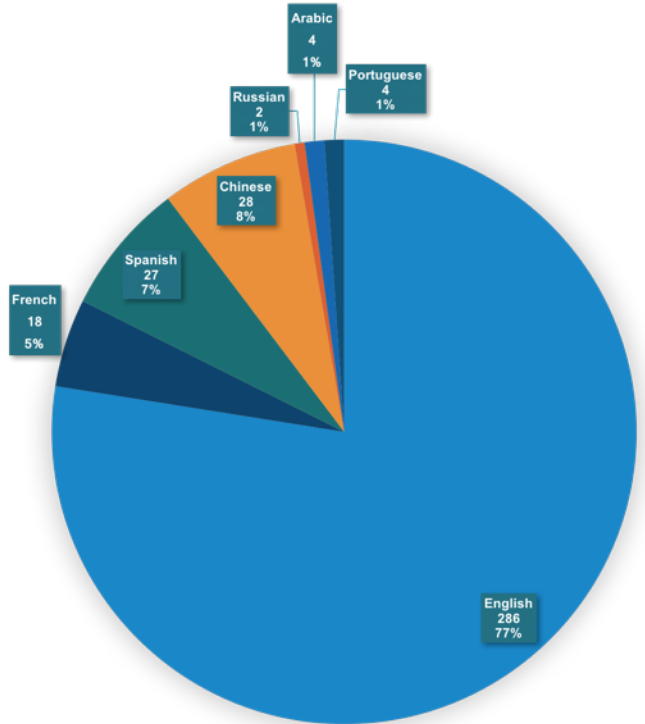
1,062 Hours



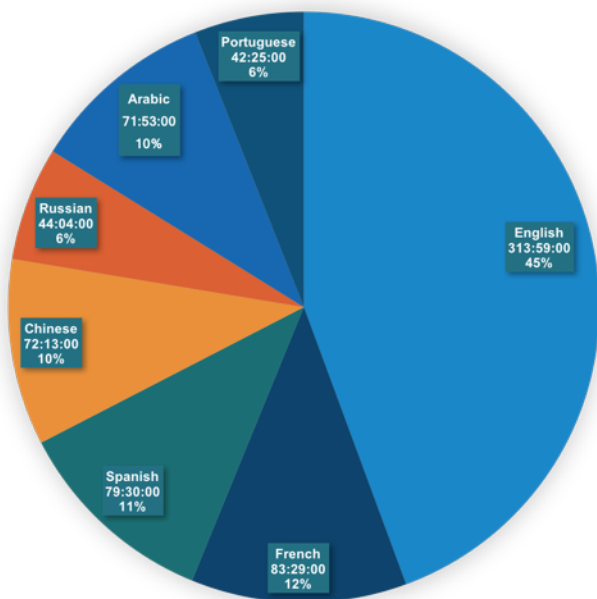
Total Telephone Calls & Hours



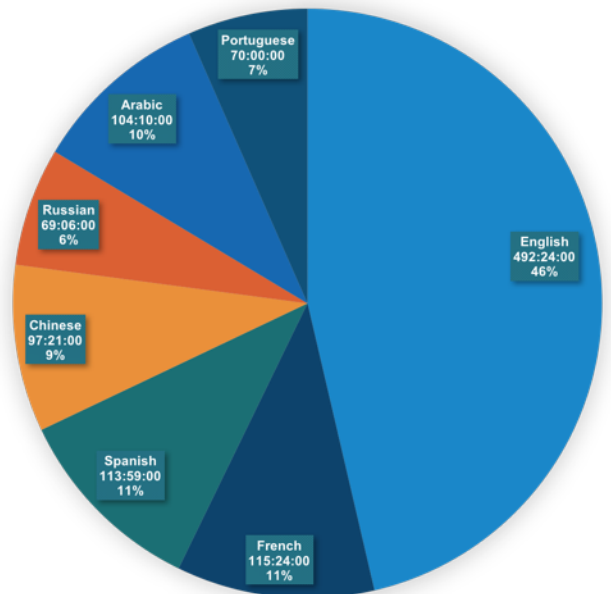
Total Streaming Audio Listeners by Language



Total Streaming Audio Hours [HH:MM:SS] by Language



Total Recorded Audio Hours [HH:MM:SS] by Language



Remote Participation

Remote Participation – Top 50 Sessions

This list ranks the top 50 sessions based on the peak count of listeners to the web audio stream. All open sessions provide web audio streams. Blank space denotes that a specific language was not available for a session. “- - -” denotes that a specific language had no listeners during the noted session.

Session Title	Web Audio Stream Listeners by Language						
	English	French	Spanish	Chinese	Russian	Portuguese	Arabic
1 ICANN60 Opening Ceremony	11	---	1	---	---	---	---
2 Public Forum 1	17	---	1	---	---	---	1
3 Public Forum 2	22	2	---	---	---	---	---
4 Cross Community Session: General Data Protection Regulation (GDPR) Implications for ICANN	11	---	1	7	---	---	---
5 ICANN Public Board Meeting	12	1	---	---	---	---	---
6 Joint Meeting: GAC & ICANN Board	1	---	---	1	---	---	---
7 Cross Community Session: DNS Abuse Reporting for Policymaking & Mitigation	3	1	---	1	---	---	---
8 Joint Meeting: GAC & ccNSO	3	---	1	3	---	---	---
9 GAC discussion on WHOIS/RDS and GDPR	12	---	---	3	---	---	---
10 Joint Meeting: GAC & ALAC	1	---	---	2	---	---	---
11 Review Point for GAC Communiqué	3	---	---	1	---	---	---
12 Open Q&A with ICANN Organization Executive Team	5	---	---	1	---	---	---
13 Cross-Community Session: Community Feedback on Concluding CCWG-Accountability-WS2	6	---	---	---	---	---	---
14 Cross Community Session: Jurisdictional Challenges for ICANN	4	---	---	2	---	---	---
15 GAC discussion on IGOs and Red Cross Red Crescent Protections	3	---	---	---	---	---	---
16 GAC Preparation for Meeting with the ICANN Board	1	---	---	---	---	---	---
17 GAC discussion on DNS Abuse Mitigation	---	---	---	1	---	---	---
18 GAC Discussion on Right Protection Mechanisms	1	---	1	---	---	---	---
19 GAC website session	---	---	2	2	---	---	---
20 GAC Communiqué drafting	2	---	1	2	---	---	---
21 Joint Meeting: ICANN Board & GNSO Contracted Party House (CPH)	3	---	---	---	---	---	---
22 GAC Operating Principles meeting	1	---	2	---	---	---	---
23 GAC preparation for ICANN63 High Level Governmental Meeting	---	---	1	---	---	---	---
24 Joint Meeting: ICANN Board & At-Large	1	---	---	---	---	---	---
25 GAC meeting with the NCUC	3	---	---	---	---	---	---
26 Cross Community Session: Operating Standards for Specific Reviews	1	1	---	---	---	---	---
27 Board GAC Recommendation Implementation (BGRI) Meeting	1	---	---	---	---	---	---
28 Joint Meeting: ICANN Board & ccNSO	3	---	---	---	---	---	---
29 ccNSO Members Meeting Day 1 (pt2)	1	---	---	---	---	---	---
30 GNSO Working Session	3	---	---	---	---	---	---
31 Joint Meeting: ICANN Board & Non-Commercial Stakeholders Group	1	---	---	2	---	---	---
32 Commonwealth Meeting	1	---	---	---	---	---	---
33 ccNSO Members Meeting Day 2 (pt 3)	2	---	---	---	---	---	---
34 GAC Underserved Regions Working Group	5	---	---	---	---	4	---
35 Internet Governance Public Forum	5	---	---	---	---	---	---
36 GNSO New gTLD Subsequent Procedures PDP WG Face-to-Face	3	---	---	---	---	---	---
37 ccNSO Members Meeting Day 2 (pt 2)	2	---	---	---	---	---	---
38 GNSO Council Public Meeting	1	---	---	---	---	---	---
39 Tech Day - part 2	3	---	---	---	---	---	---
40 GNSO- Registrar Stakeholder Group (RrSG) Meeting	3	---	---	---	---	---	---
41 GNSO-Registries Stakeholder Group (RySG) Membership Meeting	2	---	---	---	---	---	---
42 Joint Meeting: ICANN Board & Security & Stability Advisory Committee	---	1	---	---	---	---	---
43 ccNSO Members Meeting Day 1 (pt 3)	1	---	---	---	---	---	---
44 GNSO New gTLD Subsequent Procedures PDP WG Face-to-Face Session II - Work Track 5 on Geographic Names at the Top Level	6	---	---	---	---	---	---
45 ALAC and Regional Leaders Working Session Part 7	1	---	4	---	---	---	---
46 Joint Meeting: ICANN Board & ASO/NRO	2	---	---	---	---	---	---
47 GNSO Next-Generation Registration Directory Services (RDS) to replace WHOIS Policy Development Process Working Group Meeting	2	---	---	---	---	---	---
48 ALAC and Regional Leaders Working Session Part 2	5	---	---	---	---	---	---
49 ALAC and Regional Leaders Working Session Part 6	---	---	7	---	---	---	---
50 GNSO Review of all Rights Protection Mechanisms in all Generic Top-Level Domains	2	---	---	---	---	---	---

ICANN60 By the Numbers

General Information



General Information

General Statistics for ICANN60



Most Steps Walked in One Day by an MTS Tech

41,660

18.56 **29.87**
Miles Km

Average Walking Distance of MTS Tech Per Day



6.30 **10.13**
Miles Km

Average Hours Worked by MTS Tech Per Day



12

Waiters & Service Staff



250+

Kitchen Staff



50+

Coffee Machines



19

Available Eateries



10

Bottled Beverages Consumed



3,500+

Water Coolers



20

General Information

Equipment Deployed for ICANN60



Conference Microphones



Wireless Access Points



Laptops



Mac Minis



Telephones



Switches



Printers



Registration iPads



International Power Strips



Routers



Broadcast Cameras



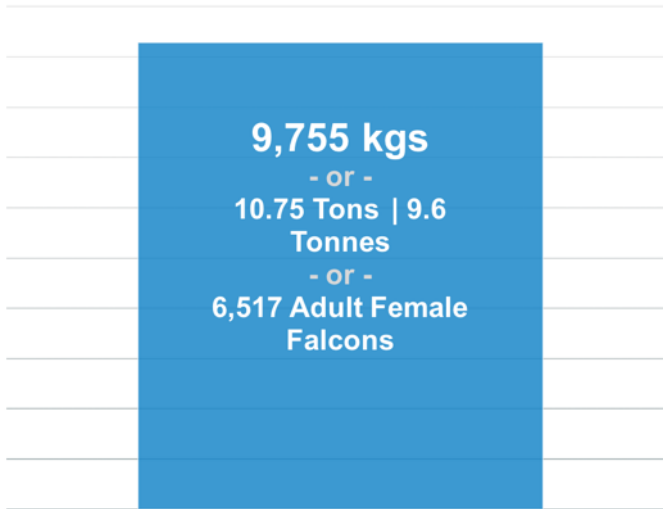
General Information

ICANN Equipment Shipped to ICANN60

Much like a touring band, ICANN learned over time that the most cost-effective method of ensuring that meeting participants have a positive experience is to sea freight our own equipment to ICANN meetings. We ship critical equipment, then rent the remaining equipment locally to help promote the local economy.

The following depicts the equipment shipped to ICANN60.

ICANN-Owned Equipment Shipment Weight



ICANN60 By the Numbers

Network Operations Center

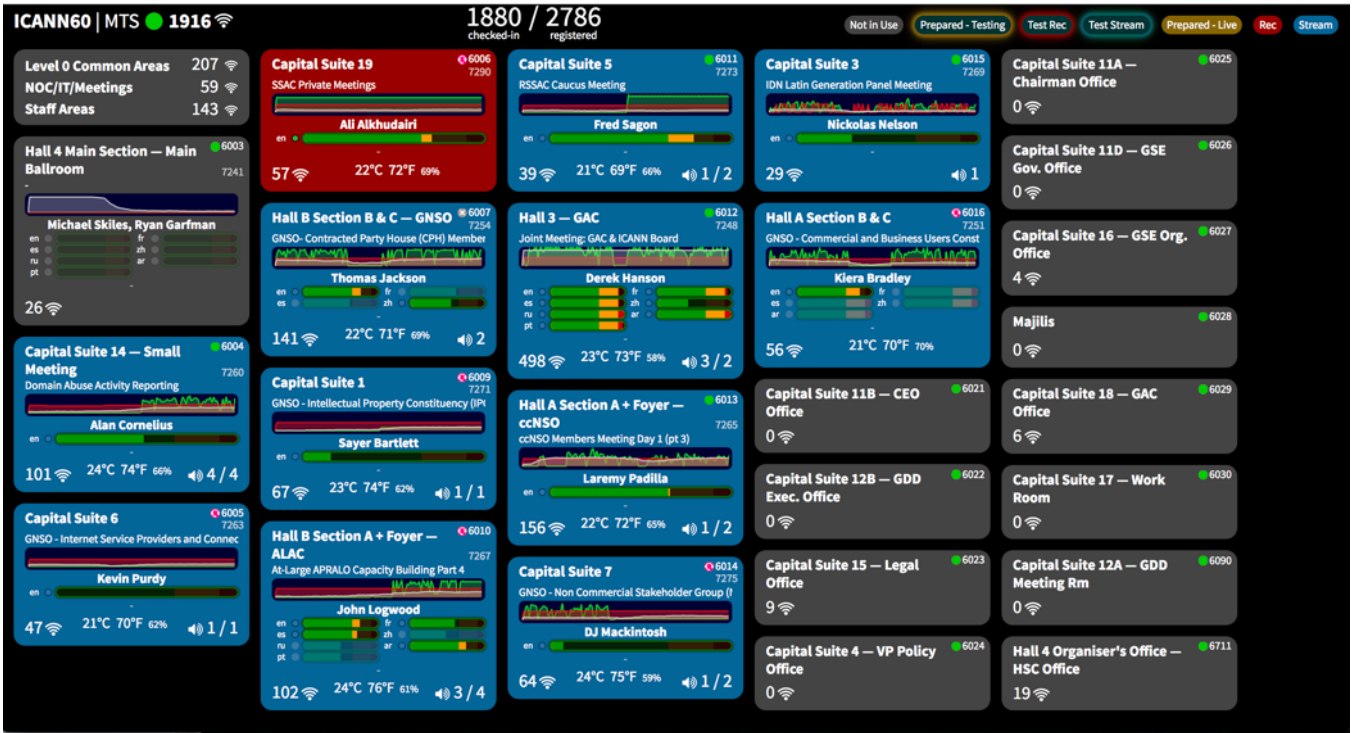


Network Operations Center

Session Monitoring

The Network Operations Center (NOC) monitors all session rooms, including audio streams, recordings, Wi-Fi associations, connectivity stability, room temperatures, and technician status. At any time, NOC staff can look at the monitoring screen and get a real-time status check of any session room.

Below is a screenshot taken during ICANN60 of monitoring software.



The NOC uses InterMapper to monitor all active equipment deployed into various areas of the venue. The tool enables the NOC to respond quickly to power outages, network problems, and equipment failures. The NOC is where the Meetings, Meetings Technical Services, and Security teams work together to ensure quick inter-departmental communications and coordination.



Network Operations Center

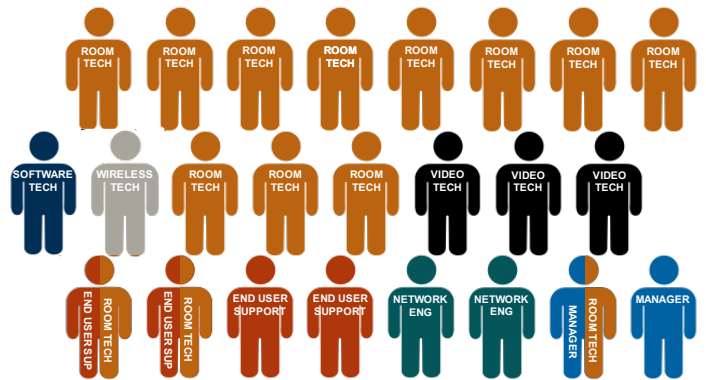
Meetings Technical Services Team

People are key to the success of ICANN meetings. Several teams of people help manage every aspect of a meeting. Our Meetings Technical Services (MTS) team includes: meeting managers, audio visual technicians, interpreters, scribes (closed captionists), remote participation managers, IT technicians, and video technicians. Many other teams outside the technical scope help make the meetings a success.

MTS Team Messages Exchanged



Breakdown of MTS Team by Role



Meetings Technical Services Team | ICANN60



Network Operations Center – Abu Dhabi



Shipment of Equipment

Over 99 cases ship around the world from meeting location to meeting location. This equipment returns back to Los Angeles, CA, USA, only once a year for restocking and repairs.

Typical Session Room Setup

A typical meeting room is set up with a VoIP phone, several Wi-Fi access points, two to four Mac Minis, and one or two switches.

MTS installs international power strips in all session rooms. ICANN carries over 650 six-plug power strips with over 6 km of power cable. This provides over 3,900 power outlets for participants during meetings.



**Network Engineers at Work!
David, Fred and Moises**

Video Setup

Three operator-controlled PTZ camera systems are available for large session rooms. This system streams video via Adobe Connect, and in some rooms, via Livestream HD video.

At ICANN56 in Helsinki, Finland, we introduced new automated camera kits for all session rooms. These video kits operate in conjunction with the microphone system. All session rooms now have live video streams for open sessions.

Live video has been a major investment - ICANN is continually striving to improve the experience and interaction of remote participants.

ICANN60 By the Numbers

Network Statistics and Client Profiles



Network Statistics

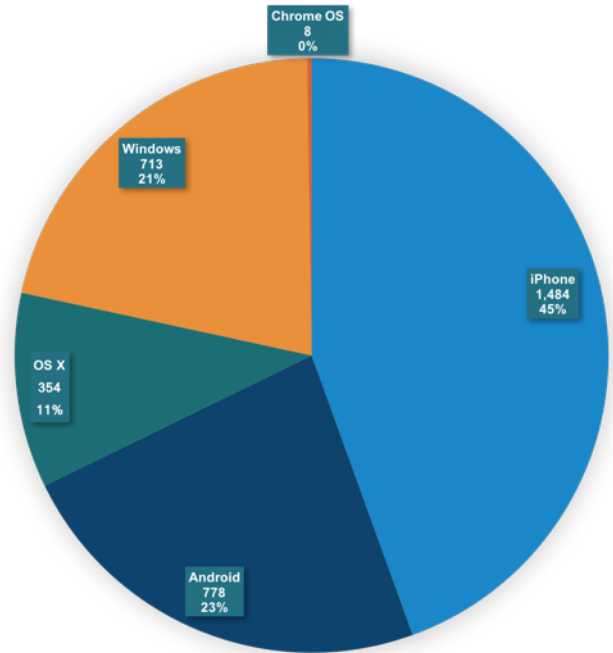
Overall Network Usage and Statistics

The ICANN Meetings Technical Services team operates only with Juniper routers and switches. For the wireless infrastructure, we use Aruba access points, including Aruba wireless controllers.

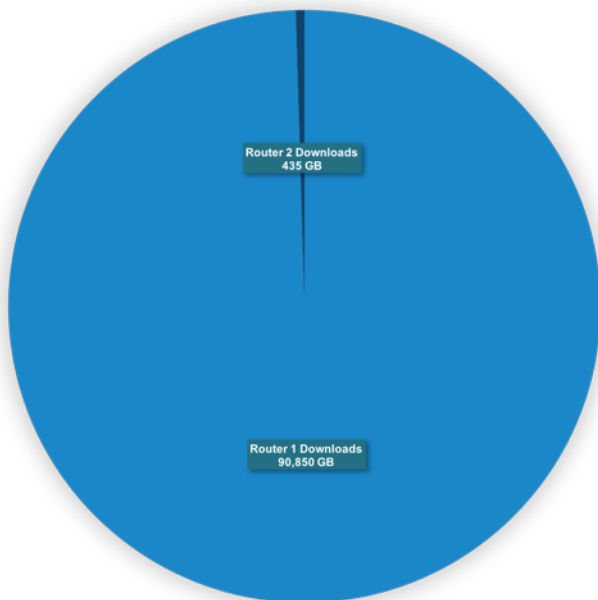
In the “General Information” section, we give the inventory of IT equipment that ICANN brings to each meeting to meet the unique challenges of each venue.



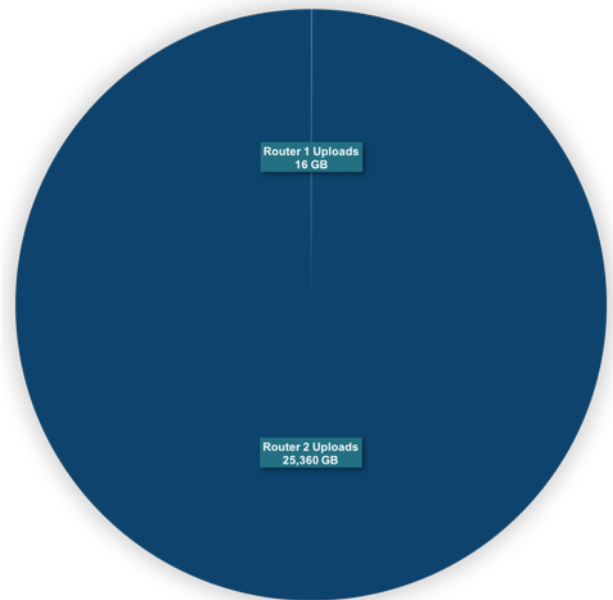
Clients by Device Type



Total Download Traffic



Total Upload Traffic

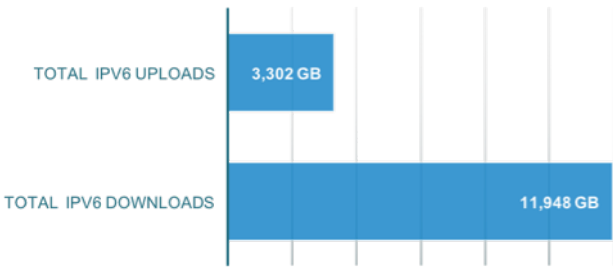


Network Statistics

Bandwidth Consumption and Allocation

These charts show the bandwidth that was provided and consumed, and the traffic allocation between IPv4 and IPv6.

IPv6 Data Transferred In/Out

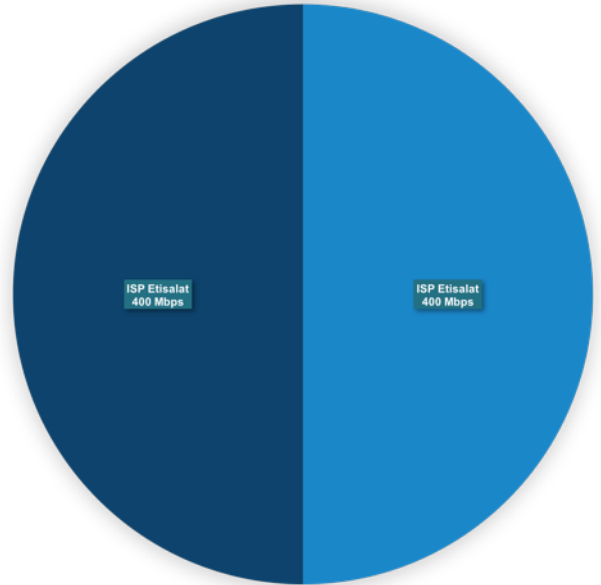


IPv6 Network Usage

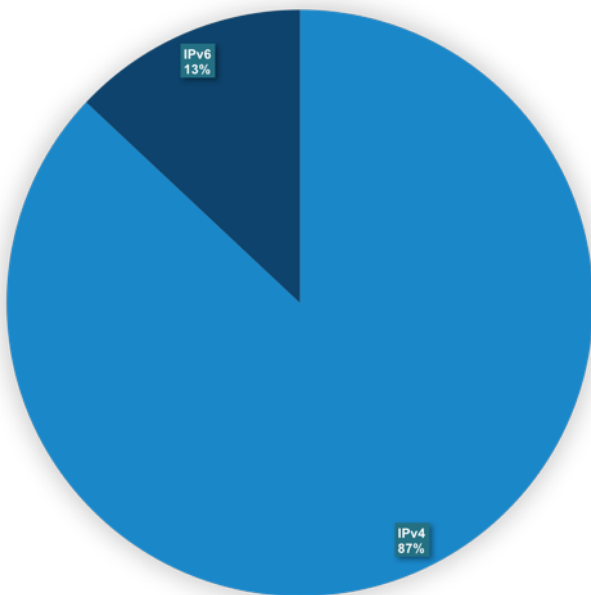
13%

3% increase since ICANN58 in Copenhagen, Denmark

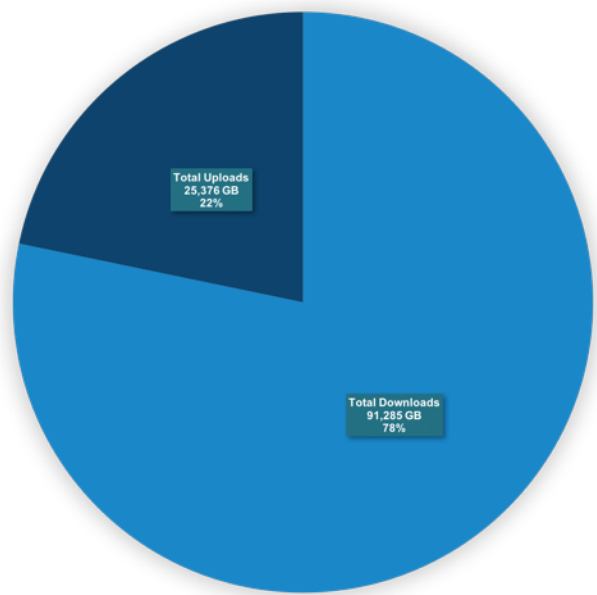
Internet Service Providers 800 Mbps Service Active / Standby Mode



IPv4 & IPv6 Traffic Allocation



Total Data Consumption



Network Statistics

Wi-Fi Client Associations and Bandwidth

During an ICANN meeting, the Meetings Technical Services team closely monitors the network load and Wi-Fi associations to each wireless access point. Alerts notify the NOC team when a maximum number of users are associated to a single access point. The team responds promptly by mitigating issues with access points or deploying more access points.

Great care and time go into the deployment plan for wireless access points. The team works closely with our wireless vendor Aruba to ensure the best possible configuration of device profiles.

Our goal is to ensure the highest quality experience for all attendees on the ICANN network.

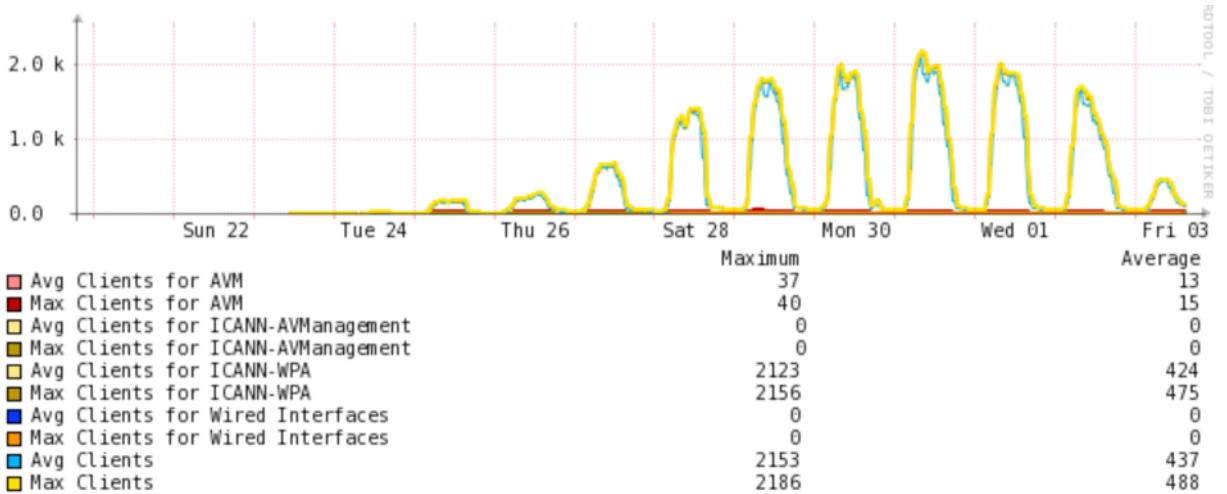
Peak Wi-Fi Associations
31-Oct-2017



2,186

Peak Client Associations

Wi-Fi Client Associations | by Day



Peak Bandwidth Utilization

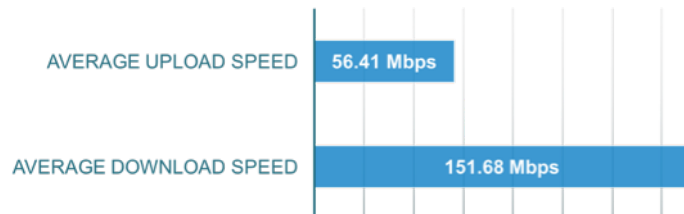
532

Peak Download Mbps
31-Oct-2017

345

Peak Upload Mbps
30-Oct-2017

Bandwidth Speed [During Business Hours per 30 min.]

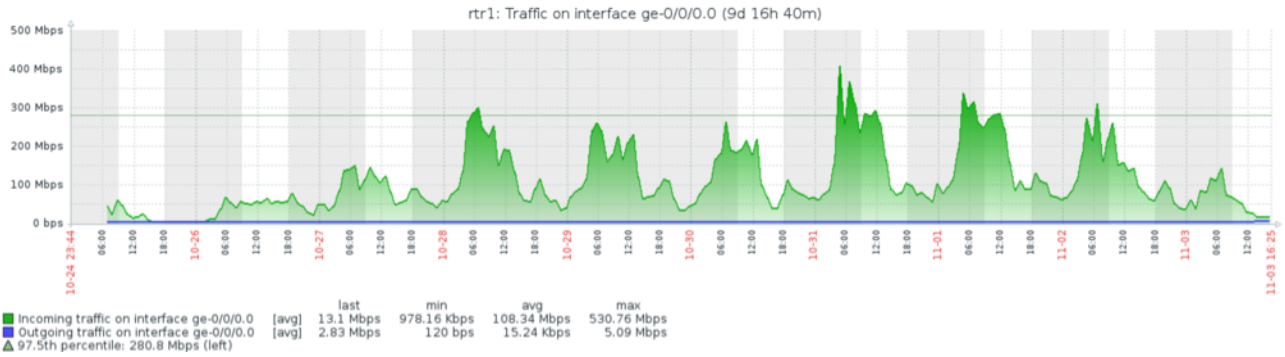


Network Statistics – Monitoring

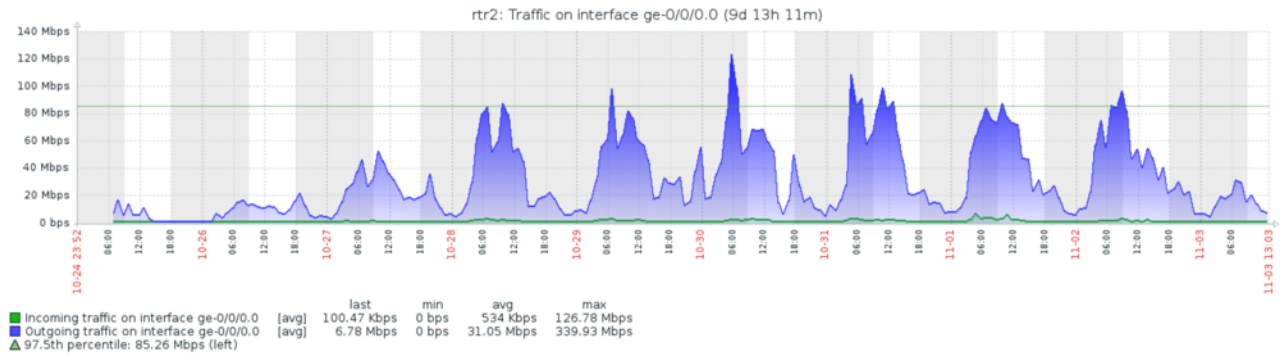
Bandwidth Utilization

ICANN runs our core network from two redundant routers. These graphs show the daily average bandwidth consumption. For ICANN60, ICANN was also able to provide bandwidth to the attached hotels for which the daily average bandwidth traffic is also modeled below.

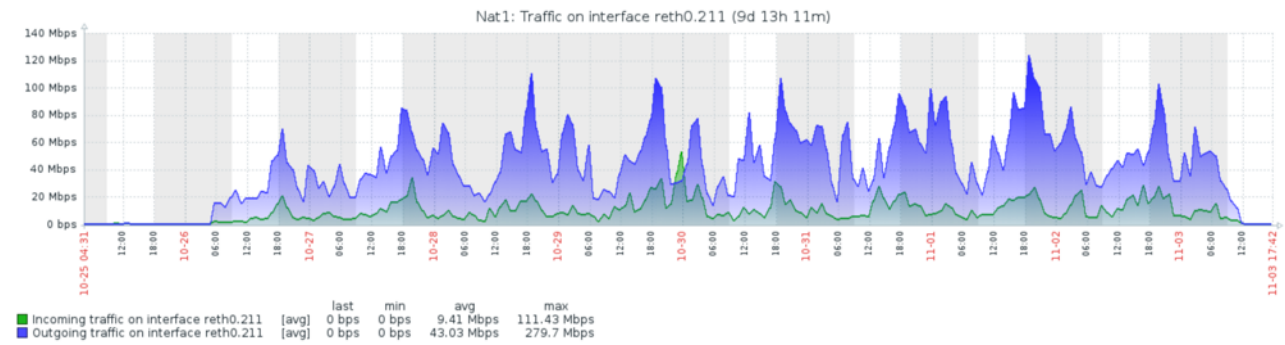
Router 1



Router 2



ICANN-Rooms Traffic

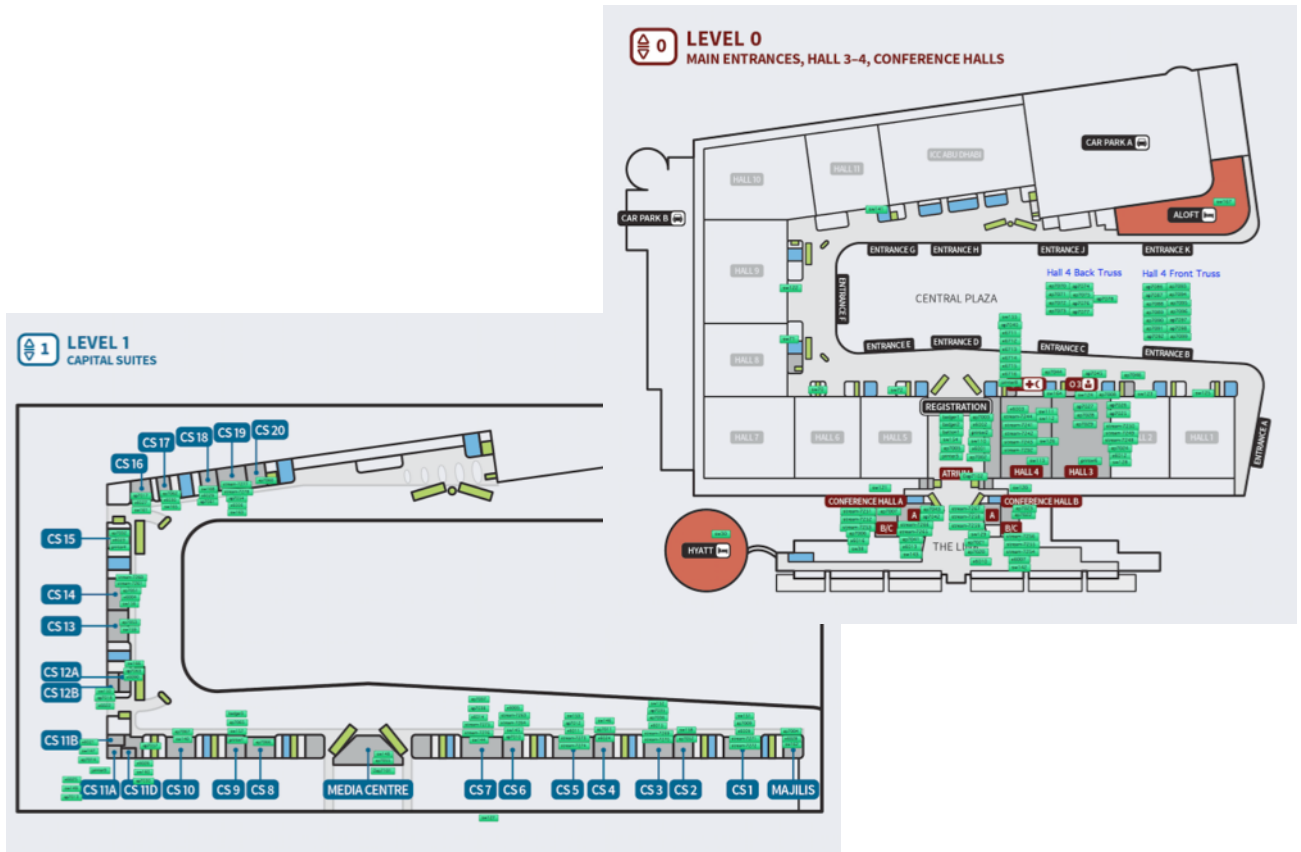


Network Statistics – Tools

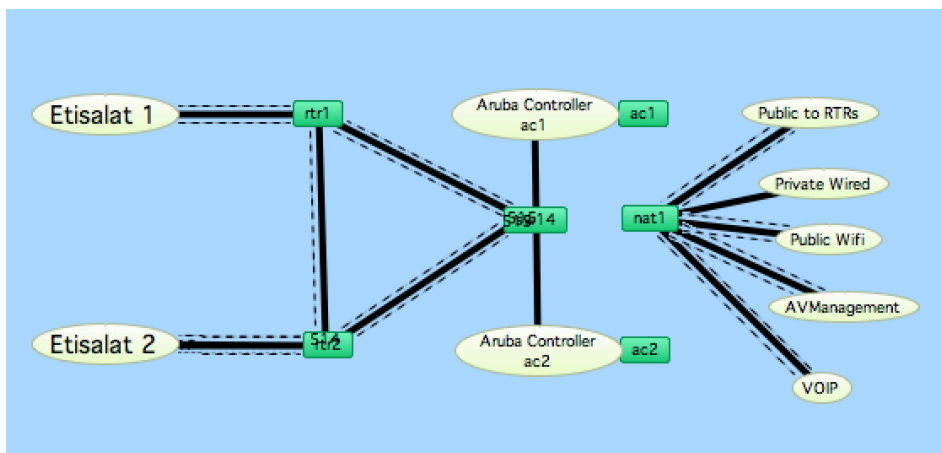
InterMapper Resource Monitoring Tool

InterMapper is ICANN’s tool to monitor all active equipment deployed into various areas of the venue. The tool enables the NOC to respond quickly to power outages, network problems, and equipment failures.

ADNEC
Device Deployment Map



InterMapper Network Monitoring Screen
Traffic Flow Monitoring



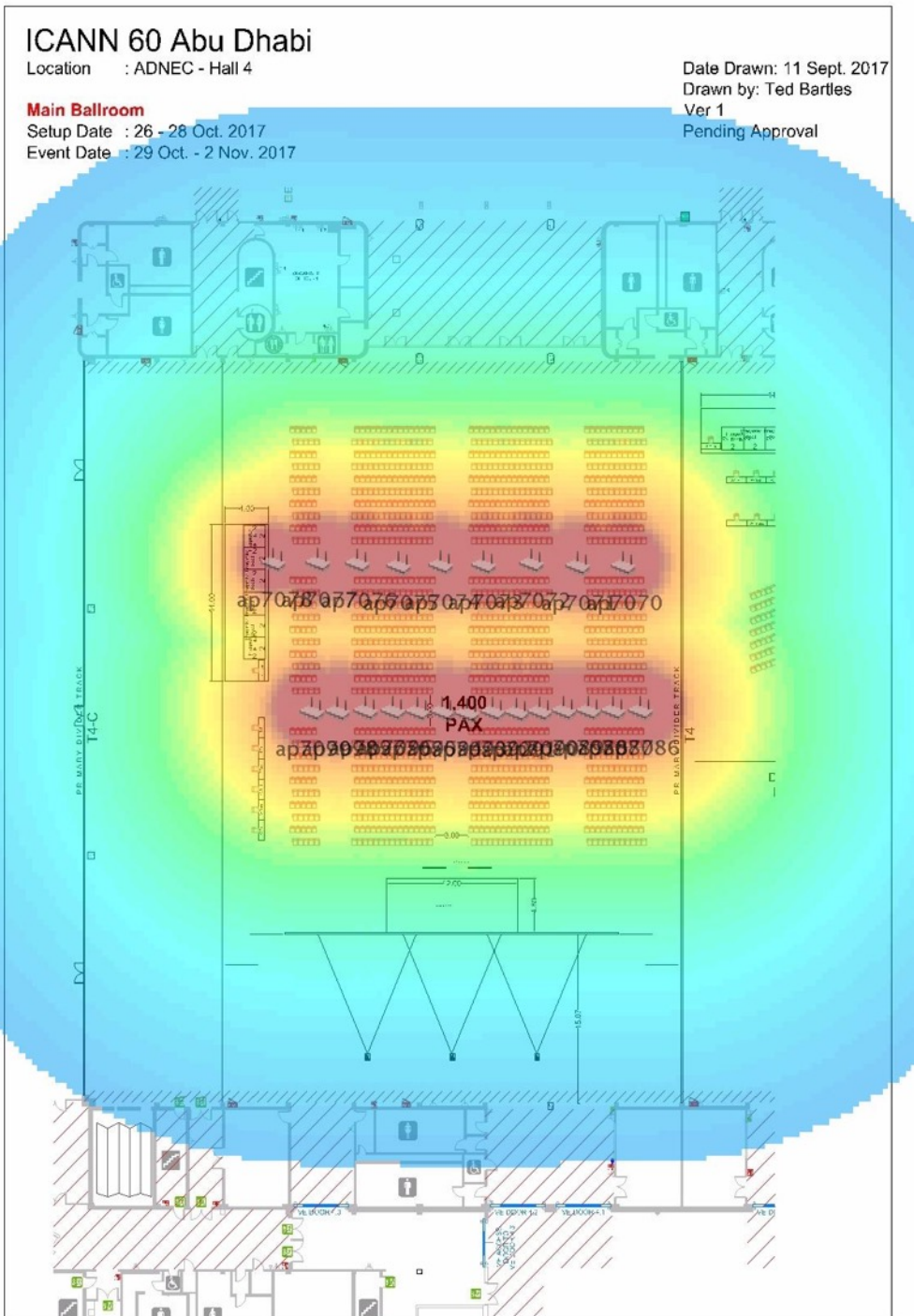
Network Statistics – Tools

Wireless Access Point Deployment – Heat Map

One of the primary services provided to the attendees at an ICANN meeting is free Wi-Fi. ICANN MTS takes this essential service seriously, and uses several tools and resources to ensure the highest quality experience for everyone.

Every meeting has a deployment plan depicting how many wireless access points are needed per room, and the strategic location of those access points. This is determined by several methods, one being a heat map shown below for the plenary room, Hall 4. Heat maps show Wi-Fi signal strength, red being the hottest and closest to the Wi-Fi signal, gradually fading to orange, green, and blue as the signal strength diminishes.

ADNEC – Hall 4



ICANN60 By the Numbers

Appendix



Attendee Profile Data

ICANN60 Abu Dhabi	
Total Participants	1,929
First-time Participants (Newcomers)	659
Returning Participants	1,270
By Gender	
Female	588
Male	1,143
Undisclosed	198
By Badge Type	
Participant	1,538
Media	32
Sponsor	43
Support Staff	97
ICANN Organization	196
ICANN Board	23
By Stakeholder Group	
Academia	137
Civil Society / Non-Governmental Organization	196
End User	152
Government / Inter-Governmental Organization	317
Private Sector - Domain Name Industry	427
Private Sector - General Business / Legal	215
Technical Community	337
By Interest Group	
ASO - Address Supporting Organization	45
ALAC - At-Large Advisory Committee	139
ccNSO - Country Code Names Supporting Organization	218
DNSSEC - Domain Name System Security Extensions	97
Fellowship Program	102
GNSO - Generic Names Supporting Organization	242
GDD - Global Domains Division	80
GAC - Governmental Advisory Committee	240
ICANN - Internet Corporation for Assigned Names and Numbers	310
I* Organization	54
NextGen@ICANN	50
NomCom - Nominating Committee	22
NRO - Number Resource Organization	19
RSSAC - Root Server System Advisory Committee	26
SSAC - Security and Stability Advisory Committee	56
Other / Special Interest Group	132

Attendee Profile Data

ICANN Five Regions

Africa	160
Asia/Australia/Pacific Islands	718
Europe	455
Latin America/Caribbean	124
North America	472

ICANN Meeting Seven Regions

Africa	160
Asia	69
Australia/Pacific Islands	426
Eastern Europe and Central Asia	29
Europe	426
Latin America and the Caribbean	124
Middle East	288
North America	472

Attendee Profile Data

	Africa	Asia / Australia / Pacific	Europe	Latin America / Caribbean	North America
Total Participants	160	718	455	124	472
First-time Participants (Newcomers)	40	443	80	24	72
Returning Participants	120	275	375	100	400
By Gender					
Female	36	190	137	49	176
Male	107	448	268	61	259
Undisclosed	17	80	50	14	37
By Badge Type					
Participant	155	609	389	96	289
Media	1	29	2	0	0
Sponsor	0	15	17	1	10
Support Staff	0	37	6	17	37
ICANN Organization	2	26	31	8	129
ICANN Board	2	2	10	2	7
By Stakeholder Group					
Academia	16	71	24	14	12
Civil Society / Non-Governmental Organization	24	80	36	26	30
End User	19	67	26	15	25
Government / Inter-Governmental Organization	58	161	62	23	13
Private Sector - Domain Name Industry	27	160	141	11	88
Private Sector - General Business / Legal	15	85	50	9	56
Technical Community	44	107	84	25	77
By Interest Group					
ASO - Address Supporting Organization	5	25	7	3	5
ALAC - At-Large Advisory Committee	25	67	17	16	14
ccNSO - Country Code Names Supporting Organization	34	73	81	13	17
DNSSEC - Domain Name System Security Extensions	14	51	22	1	9
Fellowship Program	17	51	14	14	6
GNSO - Generic Names Supporting Organization	17	56	80	13	76
GDD - Global Domains Division	4	43	12	0	21
GAC - Governmental Advisory Committee	49	102	56	18	15
ICANN - Internet Corporation for Assigned Names and Numbers	25	108	52	11	114
I* Organization	2	33	13	2	4
NextGen@ICANN	3	35	10	2	0
NomCom - Nominating Committee	1	7	4	2	8
NRO - Number Resource Organization	4	5	6	0	4
RSSAC - Root Server System Advisory Committee	2	10	3	0	11
SSAC - Security and Stability Advisory Committee	3	26	9	0	18
Other / Special Interest Group	10	89	13	9	11

Attendee Profile Data – Middle East

	Middle East
Total Participants	288
First-time Participants	239
Returning Participants	49
By Gender	
Female	64
Male	196
Undisclosed	28
By Badge Type	
Participant	238
Media	21
Sponsor	13
Support Staff	9
ICANN Organization	7
ICANN Board	0
By Stakeholder Group	
Academia	23
Civil Society / Non-Governmental Organization	17
End User	29
Government / Inter-Governmental Organization	79
Private Sector - Domain Name Industry	55
Private Sector - General Business / Legal	47
Technical Community	42
By Interest Group	
ASO - Address Supporting Organization	9
ALAC - At-Large Advisory Committee	16
ccNSO - Country Code Names Supporting Organization	22
DNSSEC - Domain Name System Security Extensions	27
Fellowship Program	15
GNSO - Generic Names Supporting Organization	14
GDD - Global Domains Division	20
GAC - Governmental Advisory Committee	38
ICANN - Internet Corporation for Assigned Names and Numbers	54
I* Organization	21
NextGen@ICANN	14
NomCom - Nominating Committee	3
NRO - Number Resource Organization	1
RSSAC - Root Server System Advisory Committee	4
SSAC - Security and Stability Advisory Committee	10
Other / Special Interest Group	44

Session Statistics Data

Overall Meeting Statistics

Total Session Counts	407
Total Session Hours	696.08
Actual Attendance for All Sessions	20,693
Checked-In Attendees	1,929

Counts by Session Type

Sign Up Rooms	90
Closed - Member Only Sessions	71
Open Sessions	246

Mobile App Statistics Data

Top Viewed Sections	Unique Visitors	Pageviews
Meeting Schedule	1,403	40,508
Participants	690	2,786
Maps	403	1,271
Sponsors	267	750
Info Booth	263	448
Alerts	259	660

Top Views - By Date	Unique Visitors	Pageviews
30-Oct Mon	800	15,577
31-Oct Tue	693	12,116
29-Oct Sun	669	15,200
01-Nov Wed	658	10,889
28-Oct Sat	644	14,206
02-Nov Thu	581	7,248
27-Oct Fri	318	5,145
03-Nov Fri	193	1,485

Total Pageviews (60 Days)	109,381
Total Unique Visitors (60 Days)	3,302

Mobile App Device Breakdown	
Apple	1,315
Android	1,187
Windows	641
Linux	55
Chrome OS	20
Samsung	3
Other	83
On Mobile	2,406
Not on Mobile	898

Mobile App Attendee Behavior	
Created a Profile	247
Created a Schedule	580
Logged Into the App	796
Total Sessions Favorited	14,338
Total Notes	74

Schedule Website Statistics

Country	Sessions
United Arab Emirates	9,510
United States	6,081
United Kingdom	781
Chinese	682
India	587
France	550
Germany	430
Japan	349
Belgium	333

Device Category	Sessions
Desktop	24,113
Tablet	918
Mobile	192

Browser	Sessions
Chrome	15,937
Firefox	3,714
Safari	2,886
Internet Explorer	1,771
Edge	646
Opera	74

Demographics - Age	Users
18-24	202
25-34	833
35-44	796
45-54	523
55-64	293
65+	169

User Type	Sessions
New Visitor	6,944
Returning Visitor	18,279

General Stats	
Sessions	25,223
Users	7,891
Pageviews	84,955
Pages / Session	3.37
Avg. Session Duration	0:04:26
Bounce Rate	45.88%
% New Sessions	27.44%

Language	Sessions
English - United States	16,716
English - United Kingdom	2,100
Chinese	996
French	781
German	380
Spanish	332

Website Quick Stats	
Attendees Logged In	613
Schedules Created	474
Average Session Duration	4.26 Minutes

Demographics - Gender	Users
Male	1,922
Female	948

Remote Participation Data

Adobe Connect Remote Participation Stats

Adobe Connect Total Unique Participants	4,029
Desktop Users	3,201
Mobile App Users	828

Remote Participation - Adobe Connect

Total Unique Participants	10,345
Tablet Connections	11,444
Mobile Phone Connections	19,094
Mobile Users	828
Mobile Minutes	21,966

Overall Resource Usage

Adigo Phone Conference Bridge Calls	30
Adigo Phone Conference Total Hours	60.25
PGI/GlobalMeet Conference Bridge Calls	11
PGI/GlobalMeet Conference Total Hours	29.5
Verizon Conference Bridge Calls	53
Verizon Conference Total Hours	109.75
Remote Participation Manager Requests	246
Remote Participation Manager Total Hours	374.5
Telephone Calls Conducted	94
Telephone Calls Conducted Hours	199.5

Remote Participation Data

Web Streaming Listeners

English	286
French	18
Spanish	27
Chinese	28
Russian	2
Arabic	4
Portuguese	4
Total	369

Web Streaming Hours [hh:mm:ss]

English	313:59:00
French	83:29:00
Spanish	79:30:00
Chinese	72:13:00
Russian	44:04:00
Arabic	71:53:00
Portuguese	42:25:00
Total	707:33:00

Recorded Hours [hh:mm:ss]

English	492:24:00
French	115:24:00
Spanish	113:59:00
Chinese	97:21:00
Russian	69:06:00
Arabic	104:10:00
Portuguese	70:00:00
Total	1062:24:00

Room	Desktop Users	Mobile Users	Unique Users
Capital Suite 01	261	96	357
Capital Suite 03	164	26	190
Capital Suite 05	111	59	170
Capital Suite 06	101	28	129
Capital Suite 07	189	55	244
Capital Suite 14	199	51	250
Capital Suite 19	67	4	71
Hall 3	N/A	N/A	662
Hall 4	N/A	N/A	625
Hall A, Sec A	139	95	234
Hall A, Sec B/C	268	98	366
Hall B, Sec A	129	134	263
Hall B, Sec B/C	281	181	462
Press	5	1	6

Room	Total Connections	Unique Users	Mobile Users	Total Mobile Minutes
Capital Suite 01	710	357	96	3,133
Capital Suite 03	313	190	26	317
Capital Suite 05	394	170	59	1,001
Capital Suite 06	222	129	28	867
Capital Suite 07	457	244	55	1,406
Capital Suite 14	403	250	51	833
Capital Suite 19	150	71	4	181
Hall 3	2240	662	N/A	N/A
Hall 4	1884	625	N/A	N/A
Hall A, Sec A	529	234	95	1,414
Hall A, Sec B/C	705	366	98	3,312
Hall B, Sec A	971	263	134	4,006
Hall B, Sec B/C	1,357	462	181	5,490
Press	10	6	1	6

Network Statistics Data

Bandwidth	Mbps
ISP Etisalat	400
ISP Etisalat	400
Total Bandwidth Available	800

Total Data Transferred In/Out	GB
Router 1 - Downloads	90,850
Router 1 - Uploads	16
Router 2 - Downloads	435
Router 2 - Uploads	25,360
Total Downloads	91,285
Total Uploads	25,376

IPv6 Data Transferred In/Out	GB
Router 2 IPv6 Uploads	3,300
Router 2 IPv6 Downloads	428
Router 1 - IPv6 Uploads	2.09
Router 1 - IPv6 Downloads	11,520
Total IPv6 Downloads	11,948
Total IPv6 Uploads	3,302

Total Traffic Allocation	%
IPv4	87%
IPv6	13%

Total Traffic	GB
IPv4 Downloads	79,337
IPv4 Uploads	22,074
IPv6 Downloads	11,948
IPv6 Uploads	3,302

Average Traffic Speed	Mbps
Average Download Speed	151.68
Average Upload Speed	56.41

Peak Bandwidth Utilization	Mbps
Peak Download Date	31-Oct-17
Peak Download Utilization	532
Peak Upload Date	30-Oct-17
Peak Upload Utilization	345 Mbps

Peak Wi-Fi Clients	
Peak Date	31-Oct-17
Peak Devices	2,186

Clients by Device Type	%
iPhone	44.47%
Android	23.31%
Windows	21.37%
OS X	10.61%
Chrome OS	0.24%

Network Statistics Data

Wireless Access Points	Unique Clients	Max Clients	Total Data [GB]	Avg Usage [Mbps]
oap7101	2,925	218	185.8	2.75
ap7055	2,876	181	232.88	2.62
oap7102	2,905	179	198.39	2.9
ap7012	1,882	165	306.5	2.8
ap7027	1,668	164	277.41	3.63
ap7005	2,808	162	154.71	1.91
ap7022	1,504	152	297.27	3.96
ap7044	2,821	151	115.82	1.59
ap7051	1,871	145	171.98	2.23
ap7023	1,298	141	290.18	3.86
ap7009	1,578	134	243.6	2.26
ap7021	1,940	126	384.44	4.43
ap7054	1,455	120	191.35	2.5
ap7053	1,919	118	32.82	0.369
ap7007	1,395	116	228.8	3.12
ap7046	2,540	111	109.85	1.66
ap7025	1,748	111	265.61	3.47
ap7026	1,259	110	329.56	4.49
ap7041	1,859	108	120.52	1.6
ap7010	993	106	149.52	1.57
ap7038	2,061	104	121.62	1.3
ap7028	1,171	103	243.82	3.32
ap7045	2,595	100	84.74	1.16
ap7006	1,474	99	201.2	2.64
ap7020	2,291	96	269.08	3.1
ap7024	1,235	92	462.74	5.94
ap7037	1,771	89	185.29	1.99
ap7043	1,586	83	134.31	1.77
ap7042	1,528	80	148.51	1.97
ap7066	2,223	79	201	2.25
ap7029	1,200	70	215.96	2.87
ap7003	2,032	69	615.09	5.63
ap7036	1,673	66	129.29	1.34
ap7004	542	66	28.35	0.381
ap7035	1,700	63	139.84	1.45
ap7067	1,827	58	159.3	1.81
ap7002	1,633	54	708.66	6.43
ap7065	871	46	124.04	1.39
ap7063	474	33	16.24	0.185
ap7017	903	32	25.73	0.299
ap7014	182	32	40.97	0.463
ap7040	943	31	148.03	1.37
ap7052	613	30	20.94	0.24

ap#### = Aruba wireless access point model AP325

oap#### = Aruba outdoor wireless access point model AP270

Network Statistics Data

Wireless Access Points	Unique Clients	Max Clients	Total Data [GB]	Avg Usage [Mbps]
ap7013	387	29	46.79	0.521
ap7062	393	27	4.76	0.055
ap7057	1,763	25	38.59	0.448
ap7032	233	25	76.37	0.764
ap7061	1,220	23	20.17	0.268
ap7018	273	20	11.15	0.127
ap7011	734	17	21.68	0.253
ap7008	200	13	12.4	0.164
ap7060	236	9	6.21	0.082
ap7030	238	8	13.66	0.155
ap7001	31	6	1.06	0.009

ap#### = Aruba wireless access point model AP325

oap#### = Aruba outdoor wireless access point model AP270

ICANN60 By the Numbers

For additional information or to make comments
on this report, please contact: meetings@icann.org

