Supporting a Secure, Stable and Resilient Domain Name System

PacNOG 24, Apia, Samoa

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Vice President, Stakeholder Engagement - Oceania

24-28 June 2019
Internet Corporation for Assigned Names and Numbers (ICANN)

Regional Offices:
Los Angeles, U.S.A (Headquarters)
Brussels, Belgium
Istanbul, Turkey
Montevideo, Uruguay
Singapore

Engagement Centers:
Beijing, China
Geneva, Switzerland
Nairobi, Kenya
Washington, D.C., U.S.A.

Partnership Centers:
Asunción, Paraguay
Cairo, Egypt
Seoul, Republic of Korea

Reach us www.icann.org
ICANN’s Mission

The mission of the Internet Corporation for Assigned Names and Numbers (ICANN) is to **ensure the stable and secure operation of the Internet’s unique identifier systems**

Specifically, ICANN:

1. Coordinates the allocation and assignment of names in the root zone of the Domain Name System
2. Coordinates the development and implementation of policies concerning the registration of second-level domain names in generic top-level domains (gTLDs)
3. Facilitates the coordination of the operation and evolution of the DNS root name server system
4. Coordinates the allocation and assignment at the top-most level of Internet Protocol numbers and Autonomous System numbers
5. Collaborates with other bodies as appropriate to provide registries needed for the functioning of the Internet as specified by Internet protocol standards development organizations
ICANN follows a bottom-up, multistakeholder model in which individuals, non-commercial organizations, industry, and governments play important roles in its community-based, consensus-driven, policymaking approach.

Learn More: https://www.icann.org/community
Domain Name System
The Domain Name System provides addressing for the Internet so people can find websites, send email, and other tasks. The ICANN org also supports the stability of the DNS through its work, contracts, and accreditations.

Generic Top-Level Domains
The ICANN org manages the Domain Name System's top-level domains. ICANN helps promote competition and choice in the gTLD marketplace.

Policy Development
The ICANN org supports inclusive, open and transparent multi-stakeholder bottom-up consensus-based policy development mechanisms.

Country Code Top-Level Domains
The ICANN org delegates top-level domains identified with a country code. Management is done by national ccTLD operators.

L-Root
The ICANN org hosts and supports 1 of the 13 L-Root infrastructures. At over 160 locations worldwide, L-Root is critical to infrastructure that helps reduce latency and improves performance of the DNS.

Protocol Parameters
The ICANN org, in coordination with the Internet Engineering Task Force, manages protocol parameters by maintaining many of the codes and numbers used in Internet protocols.

Internet Protocol Addresses
By serving as the central repository for IP addresses, the ICANN org helps coordinate how IP addresses are supplied – preventing repetition and conflicts.

Root Zone Management
The ICANN org helps manage the root zone through the IANA functions, which involves assigning the operators of top-level domains, such as .bank and .com, and maintaining technical and administrative details.

Support and Grow the Community
The ICANN org engages, nurtures and supports interested stakeholders for active and meaningful participation in ICANN. ICANN connects with stakeholders through outreach and engagement, and meeting and event support.
How much trust do we put in the Internet?

- Billions of mobile phones
- Internet of Things to Internet of Everything
- Depending on estimates, anywhere from 7-17 billion devices connected today, 30+ billion by 2020
Security, Stability, and Resiliency of the Internet (SSR)

Dedicated to maintain the security, stability, and resiliency of the Domain Name System (DNS) and of domain name registration services.

Promotes user trust in the Internet's systems of unique identifiers (IP addresses and domain names).

Strengthens those systems by building capacities among the public security and country code top-level domain (ccTLD) communities.
ICANN’s Role in SSR

- Promotes a prevention approach by raising awareness about threats.
- Mitigates threats through information sharing and coordination of responses to incidents.
- Adopts and promotes best practices through collaboration and training.
- Analyzes DNS data, domain registration services information, and information related to the Internet's systems of unique identifiers.
- Promotes transparency, collaboration, and accountability to build trust among the community.
# ICANN Meetings

<table>
<thead>
<tr>
<th>Year</th>
<th>Meeting Type</th>
<th>Date</th>
<th>Location</th>
<th>Region</th>
</tr>
</thead>
<tbody>
<tr>
<td>2021</td>
<td>ICANN72 (23rd AGM)</td>
<td>23-28 Oct 2021</td>
<td>Seattle</td>
<td>NA</td>
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<tr>
<td></td>
<td>ICANN71</td>
<td>Policy Forum</td>
<td>14-17 Jun 2021</td>
<td>The Hague</td>
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<td></td>
<td>ICANN70</td>
<td>Community Forum</td>
<td>20-25 Mar 2021</td>
<td>Cancún</td>
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<tr>
<td>2020</td>
<td>ICANN69 (22nd AGM)</td>
<td>17-22 Oct 2020</td>
<td>Hamburg</td>
<td>EUR</td>
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<tr>
<td></td>
<td>ICANN68</td>
<td>Policy Forum</td>
<td>22-25 Jun 2020</td>
<td>Kuala Lumpur</td>
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<tr>
<td></td>
<td>ICANN67</td>
<td>Community Forum</td>
<td>7-12 Mar 2020</td>
<td>Cancún</td>
</tr>
<tr>
<td>2019</td>
<td>ICANN66 (21st AGM)</td>
<td>2-7 Nov 2019</td>
<td>Montréal</td>
<td>NA</td>
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<td></td>
<td>ICANN65</td>
<td>Policy Forum</td>
<td>24-27 Jun 2019</td>
<td>Marrakech</td>
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<tr>
<td></td>
<td>ICANN64</td>
<td>Community Forum</td>
<td>9-14 Mar 2019</td>
<td>Kobe</td>
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Four Cross-Community / High Interest Sessions at ICANN65

- Policy Aspects of DNS over HTPPS (DoH), DNS over TLS (DoT) and related issues
  - Led by the country code Names Supporting Organisation (ccNSO) and Security and Stability Advisory Committee (SSAC)

- Evolution of the Multi-stakeholder Model of Governance

- Impacts of Expedited Policy Development Process (EPDP) Phase 1 Recommendations on Other ICANN Policies and Procedures
  - Led by the Generic Names Supporting Organisation (GNSO)

- Policies Around Universal Acceptance
  - Led by ccNSO and ISPCP Constituency
Asia Pacific region

Asia Pacific Regional At-Large Organization (APRALO) Hot Topics (top picks from member survey)
- DNSSEC, DNS security and abuse handling
- ICANN’s Accountability and Transparency
- Internationalized Domain Names (IDNs) and Universal Acceptance (UA)
- Outreach for increased effective participation and volunteers
Get Involved and Informed

- **Attend an ICANN Public Meeting.** Three times a year, ICANN holds free and open public meetings in different regions around the world. Visit meetings.icann.org to learn more.

- **Visit go.icann.org/journey to learn how you can attend an ICANN Public Meeting as part of the NextGen@ICANN or ICANN Fellowship programs.**

- **Take a free online course at learn.icann.org.**

- **Attend events in your region.**

- **Find and participate in an ICANN community group by visiting icann.org/community.**

- **Sign up for ICANN news alerts and regional newsletters.**
Our Programs

**Fellowship**
Global capacity-building program to support ICANN’s multistakeholder community. Online application process is open three times per year to participate in an ICANN Public Meeting (one meeting for Alumni only).

**NextGen**
Regionally based program to create awareness and promote future discussions with universities and other regional forums. Online application process is open three times per year to attend an ICANN Public Meeting.

**Newcomer**
Program dedicated to those entering the ICANN community. Options are self-study using the Newcomer web page or participation in person or remotely at the Newcomer Sunday meeting at an ICANN Public Meeting.

Watch Fellowship and NextGen video: https://www.youtube.com/watch?v=nrV_ZkDEflQ

Watch Newcomer video: https://www.youtube.com/watch?v=da1RQt9-e-g
Next meeting and fellowship opportunities

🔗 https://www.icann.org/fellowshipprogram

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<thead>
<tr>
<th>ICANN Meeting</th>
<th>ICANN Region</th>
<th>Meeting Dates</th>
<th>Opening of application round</th>
<th>Closing of application round</th>
<th>Announcement of selected Fellows</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICANN65 Policy Forum in Marrakesh, Morocco*</td>
<td>Africa</td>
<td>24-27 June 2019</td>
<td>Closed</td>
<td>Closed</td>
<td>28 February 2019</td>
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<tr>
<td>ICANN66 Annual General Meeting in Montréal, Canada</td>
<td>North America</td>
<td>2-7 November 2019</td>
<td>11 March 2019 at 23:59 UTC</td>
<td>11 April 2019 at 23:59 UTC</td>
<td>2 July 2019</td>
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* Only those who have successfully completed an ICANN Fellowship (Fellowship Alumni) are eligible to apply for a Policy Forum fellowship.
Engage with ICANN

Thank You and Questions
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slideshare/icannpresentations
soundcloud/icann