ICANN Overview & Global and Strategic Partnerships

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In the beginning . . .

**THE ARPA NETWORK**

**SEPT 1969**

1 NODE

**THE ARPA NETWORK**

**DEC 1969**

4 NODES
From thin pipe to fat pipe

The greater the demand for Internet-based services, the larger and more complex the Internet ecosystem becomes.
The Internet’s 3 Operating Layers

Content and applications standards (HTML, XML, Java) – Promotes creativity and innovation in applications leading to email, World Wide Web, ebanking, wiki, Skype, and much more

Telecommunications infrastructure – Physical network made up of underwater cables, telephone lines, fiber optics, satellites, microwaves, wi-fi, and so on – facilitates transfer of electronic data over the Internet

ICANN’S Responsibility

Internet protocols and standards (TCP/IP, DNS, SSL) – TCP/IP, controls traffic flow by dividing email and web data into packages before they are transmitted on the Internet
Need for change circa 1996–97

• Globalization of the Internet
• Commercialization of the Internet
• Lack of competition in the domain name space
• Trademark-domain name conflicts
• Need for a new model of governance
ICANN’s Mission

- ICANN’s mission is to coordinate, at the overall level, the global Internet system of unique identifiers, and in particular to ensure the stable and secure operation of the Internet unique identifier systems. In particular, ICANN:
  1. Coordinates the allocation and assignment of the three sets of unique identifiers for the Internet, which are:
     - Domain names (forming a system referred to as "DNS");
     - Internet protocol ("IP") addresses and autonomous system ("AS") numbers; and
     - Protocol port and parameter numbers.
  2. Coordinates the operation and evolution of the DNS root name server system.
  3. Coordinates policy development reasonably and appropriately related to these technical functions.
Generic Top Level Domains - gTLDs

• In the 1980s
  – .com, .net, .org, .gov, .edu, .mil, .arpa

• 2001-02
  – .info, .biz, .name, .pro, .coop, .aero, .museum

• 2005-06
  – .cat, .jobs, .mobi, .travel, .tel, .asia
Competition in the Domain Name Space

- ICANN introduced competition to the domain name space
- Registrars now have a market and a business
- Consumers have greater choice in price and services
- Domain name marketplace is even driving how we search – contextually as well as topically – and the scale of sites that can be searched
- There are currently about 900 Registrars accredited
Five Regional Internet Registries (AS and IP addresses)

Four ccTLD regional organizations (ccTLDs)

**ARIN**
- North America – Canada, United States, several islands in the Caribbean Sea and North Atlantic Ocean

**RPIN**
- Most of Asia
- Australia/New Zealand
- Pacific Islands

**LACNIC**
- Latin America
- Caribbean Islands

**AfriNIC**
- African Region

**RIPE NCC**
- Europe
- Middle East
- North Africa
- Parts of Asia

**CENTR**
- Europe

**APNIC**
- Most of Asia
- Australia/New Zealand
- Pacific Islands

**AFTLD**
- African Region
## Multi-stakeholder Participation

<table>
<thead>
<tr>
<th>Advisory Committees</th>
<th>Supporting Organizations</th>
<th>At-Large Organizations</th>
</tr>
</thead>
<tbody>
<tr>
<td>– Governmental Advisory Committee</td>
<td>– Address Supporting Organization</td>
<td>– Latin America-Caribbean</td>
</tr>
<tr>
<td>– Root Server Security and Stability Advisory Committee</td>
<td>constituencies)</td>
<td>– Africa</td>
</tr>
<tr>
<td>– At-Large Advisory Committee</td>
<td>– Country Code Names Supporting Organization</td>
<td>– Asia/Australia/Pacific</td>
</tr>
<tr>
<td></td>
<td></td>
<td>– North America</td>
</tr>
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ICANN’s structure

**BOARD OF DIRECTORS**

- President and CEO
- ICANN Staff
- Governmental Advisory Committee (GAC)
- Technical Liaison Group (TLG)
- Nominating Committee
- 17 voting delegates
- 6 non-voting delegates

**ICANN Staff**

**ASO**
- Regional Internet Registries
  - ARIN
  - RIPE NCC
  - LACNIC
  - APNIC
  - AfriNIC
  - gTLD Registries
  - and Registrars
  - Intellectual Property
  - ISPs
  - Businesses
  - Universities
  - Consumers

**GNSO**
- ccTLD registries
  - (.eg, .uk, .au, .it, .be, .nl, etc.)

**CCNSO**
- Root Server System Advisory Committee (RSSAC)
- Security & Stability Advisory Committee (SSAC)
- At Large Advisory Committee (ALAC)
Diverse Representation & Open Participation

- ICANN maintains diverse representation in its Board of Directors
- ICANN’s Supporting Organizations and Advisory Committees maintain the same diversity in their Councils
- Participation in ICANN is open to all who have an interest in ICANN's mission of technical coordination for Internet names and numbers
- Bottom-up technical policy-making and decision-making
- Consensus-based decision making
- Many online forums which are accessible through ICANN's website, and the Supporting Organizations and Advisory Committees have active mailing lists for participants
- Public meetings are held three times each year – each time on a different continent
- Remote participation is also available: http://public.icann.org/
Key Elements and Ongoing Work

- Global participation and representation
  - Fellowship program for developing countries
- Current work includes:
  - Implementation of internationalized domain names (IDNs) to facilitate improved multilingualism
  - New TLDs, and policies surrounding these to streamline approach
  - Awareness of IPv4 and IPv6
  - Joint Project Agreement (JPA) review
ICANN as a global organization

• Mandated by the bylaws:
  – Multinational Board
  – Multinational participation and representation
  – Accountability and Transparency to a global Internet community.
ICANN Global Partnerships
Global Partnerships

- The Global Partnerships Strategy was designed to improve ICANN’s globalization through the designation of staff to respective regions.
- The role of the Managers - Regional Relations is to engage with, and be available to, stakeholders in their respective regions and respond to the needs of the Internet community and ICANN staff.
- Team works and reports against business plans that map to the operational and strategic plan of the entire organization.
Examples of activities

• Meet with respective stakeholders (private sector, government, civil society)
• Support ICANN topic specific events in regions.
• Support registry/registrar regional initiatives.
• Partnerships with respective organizations.
• Engage in discussions regarding Internet governance, including participation in the IGF and other international fora.
• ICANN Fellowship programme -- providing financial scholarships to individuals from developing countries to facilitate participation in ICANN meetings.
Report from the Region – Middle East
Participation in ICANN

- **Global Partnerships Goal:** Increasing international participation in ICANN and the use of the Internet system of unique identifiers
  - Encourage community members to provide input to the various ICANN processes
    - IDNs
    - DNSSEC
    - Strategic and operation plans
    - Translation policy
  - Invite individuals, groups and organizations to join ICANN through participation in its councils, committees, etc.
Participation in ICANN

• GAC
  – Representatives from the Middle East are Egypt, Libya, Sudan, Iran, Jordan, Bahrain, UAE, and Yemen

• ccNSO
  – ccTLD members from the Middle East are .jo, .eg, .ly
  – Members on the ccNSO Council
    • Nashwa Abdel-Baki, .eg
    • Mohamed El-Bashir, .sd

• GNSO
  – TAGOrg, Commercial and Business Users Constituency
  – Members on the GNSO Council
    • Bilal Beiram, TAGOrg

• ALAC
  – AKMS, Jordan
  – Emirates Internet Group, UAE
Meetings and workshops

- ICANN workshop, Cairo, May 2006
- ccTLD Workshop with ISOC and UAEnic, Dubai, Nov 2006
- MENOG 2 meeting sponsorship, Doha, Nov 2007
- ccTLD training with ISOC, NSRC, and TAGOrg, Amman, Nov 2007
- ICANN regional outreach meeting with TRA, Dubai, April 2008
Agreements and partnerships

• MOU with UN ESCWA
  – To share information and ideas on how to move forward with having Arabic available in the globally-interoperable DNS

• Multilingual Internet Initiative with AKMS
  – To raise awareness with regard to the use of Internet in Arabic language
Middle East participation in ICANN meetings

- Participation in ICANN meeting is challenging for many
  - Remote Participation: http://public.icann.org/
  - Fellowships Program: http://www.icann.org/fellowships/
- Mailing list: http://mail-list.aratld.org/mailman/listinfo/arabicann
Thank You