High Level Governmental Meeting
Session 3

The Role and Impact of Internet Technological Evolution on ICANN

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High Level Government Meeting
22 October 2018
The Role and Impact of Internet Technological Evolution on ICANN

Yesterday

Today

Tomorrow
The Staggering Growth of the Internet
Internet and ICANN

The need for coordination of the Internet’s unique identifier system – the DNS

ICANN, 1998
What is on the technology horizon? Another inflection point.
The transportation event on the Internet

Point A

Point B
Potential outcomes of the technology horizon on ICANN

- Internet Growth
  - Addresses
  - Names

- Policy Coordination

- Security
  - Risks (attacks)
  - Forethought vs Afterthought
  - Privacy
Underlying principles to be preserved into the future

- To support the key transportation event of getting from point A to point B
  - Identifiers MUST continue to be unique
  - Integrity of the event is preserved by a single unique name space
- Names and address will grow – coordination is required
- Security
Impact on ICANN

- Integrity of resolution (domain name -> IP address) needs to march lockstep with the scale and increased complexity of a bigger Internet

- DNS root services need to continue to scale and evolve

- Keeping up with a shifting risk and security profile of the new landscape

- The delivery of ICANN’s mission, based on the multi-stakeholder model, will grow in scale as the Internet grows in scale with more hosts
ICANN 63
ANNUAL GENERAL
BARCELONA
20–25 October 2018