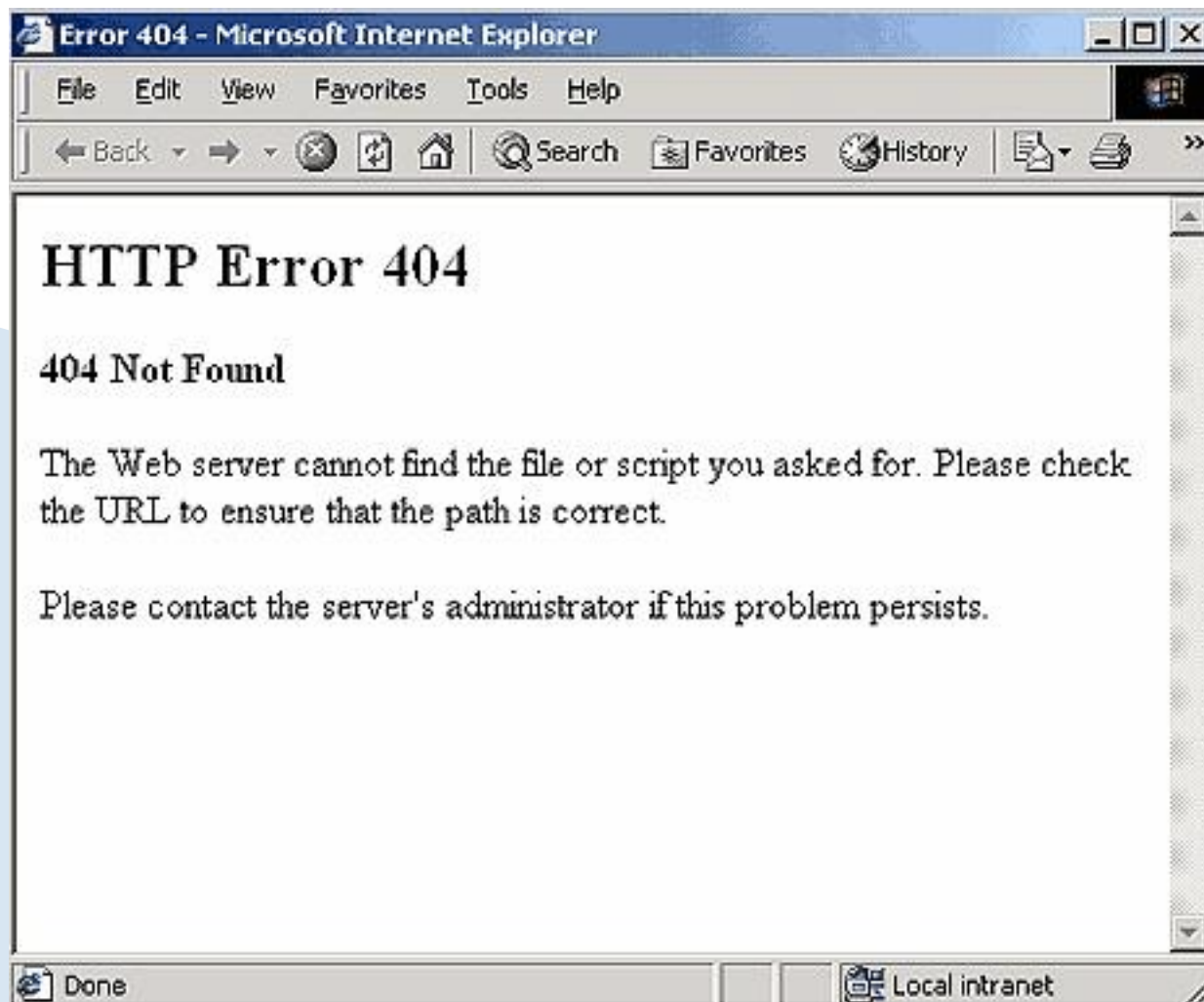# Internet Governance Shaped by all Stakeholders

Hungarian Future Internet Conference 2016

Gabriella Schittek, ICANN

Internet Corporation for Assigned Names and Numbers

- 1998 by US Government

  - Top Level Domains (Root zone management)
  - Allocations of IP addresses
  - Technical Internet protocol parameters

  → Policy development
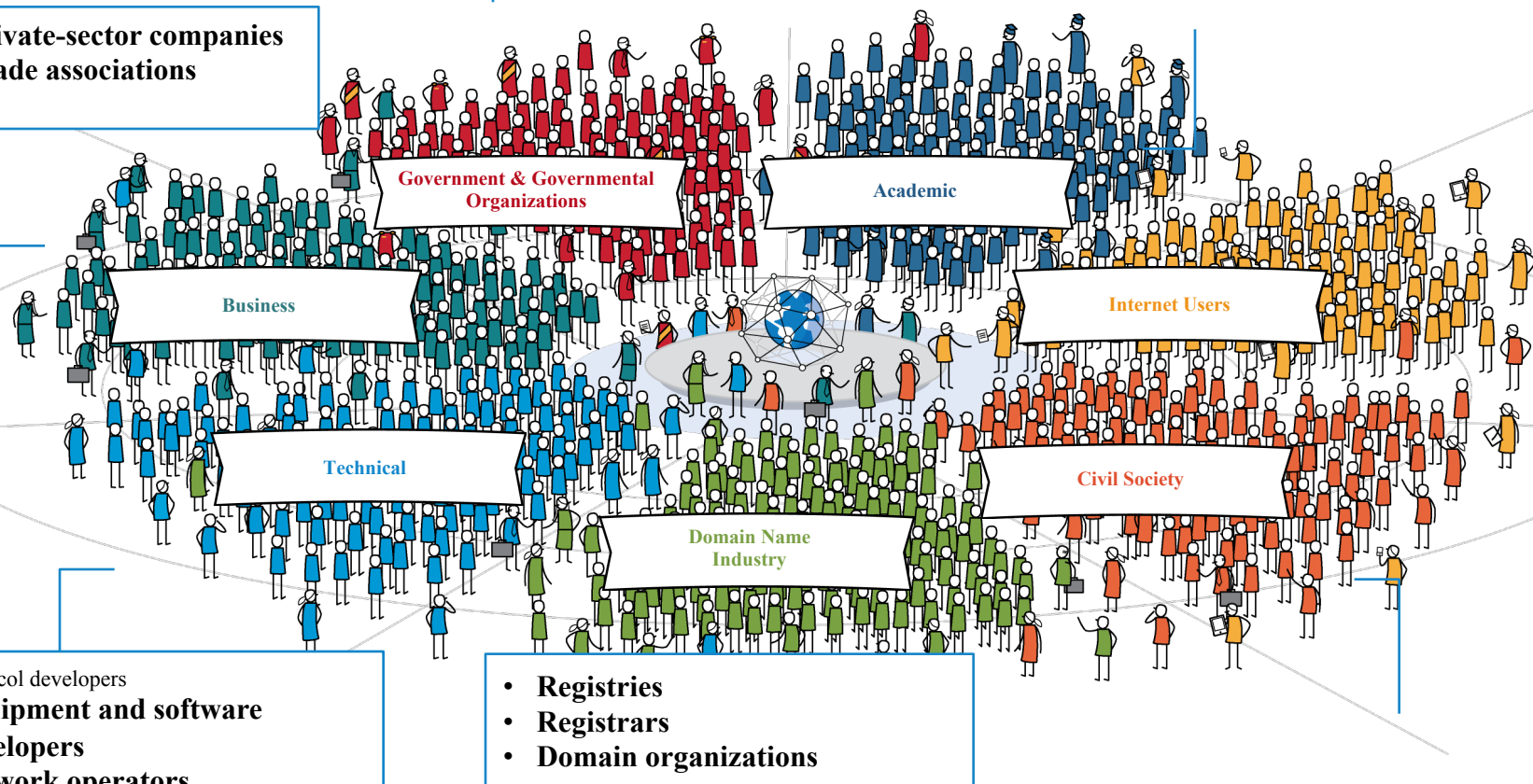 → Coordination of policy development process

ICANN's Global Multistakeholder Community

The Bottom-Up Multistakeholder Model

The collective efforts of the ICANN community culminate in a common shared goal:

A single, interoperable Internet supported by stable, secure and resilient unique identifier systems

- **Private-sector companies**
- **Trade associations**

Government & Governmental Organizations

Academic

Business

Internet Users

Technical

Civil Society

Domain Name Industry

- Protocol developers
- **Equipment and software developers**
- **Network operators**
- Technical researchers

- **Registries**
- **Registrars**
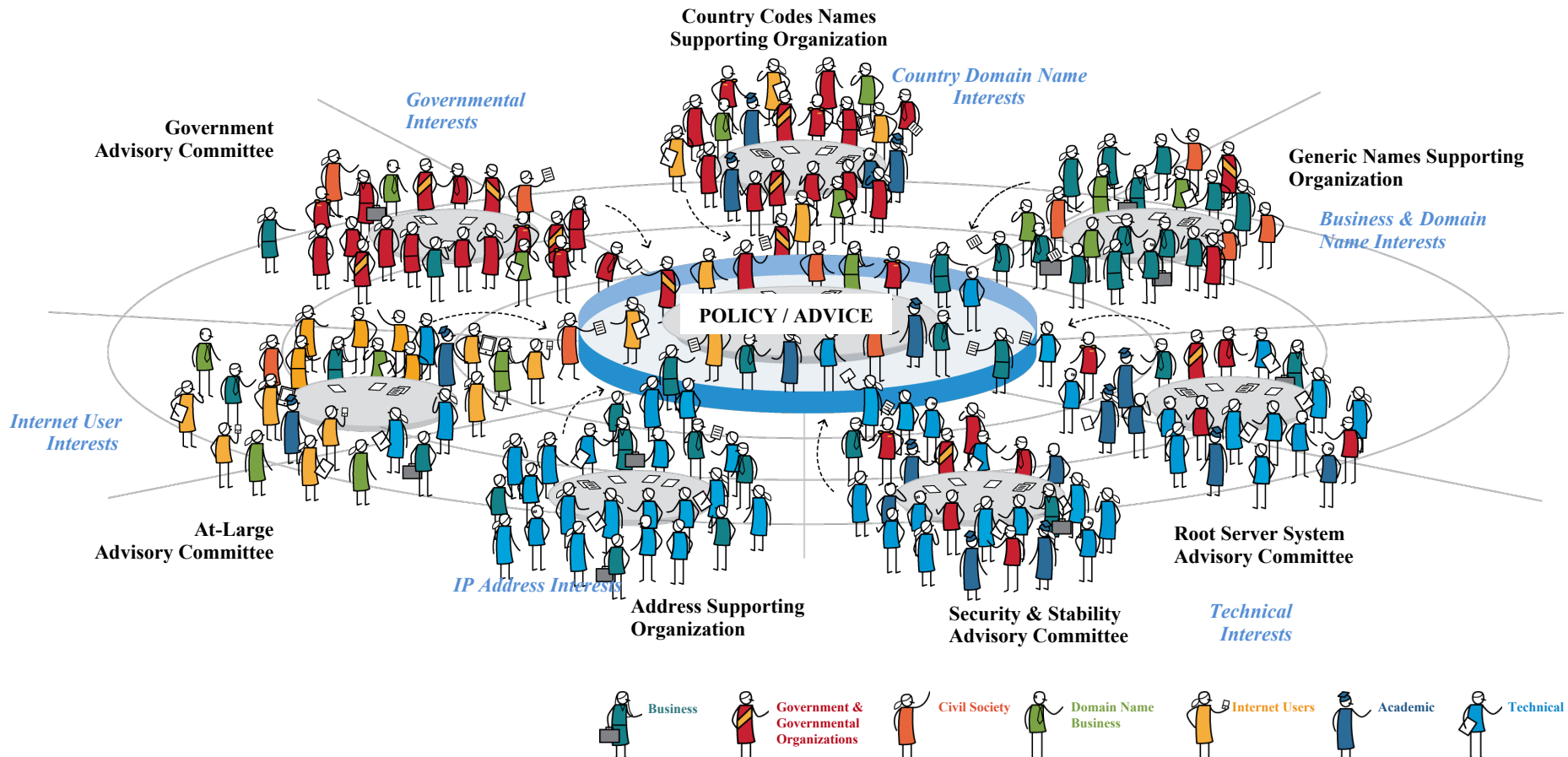- **Domain organizations**

The ICANN Community At Work

The Bottom-Up Multistakeholder Model

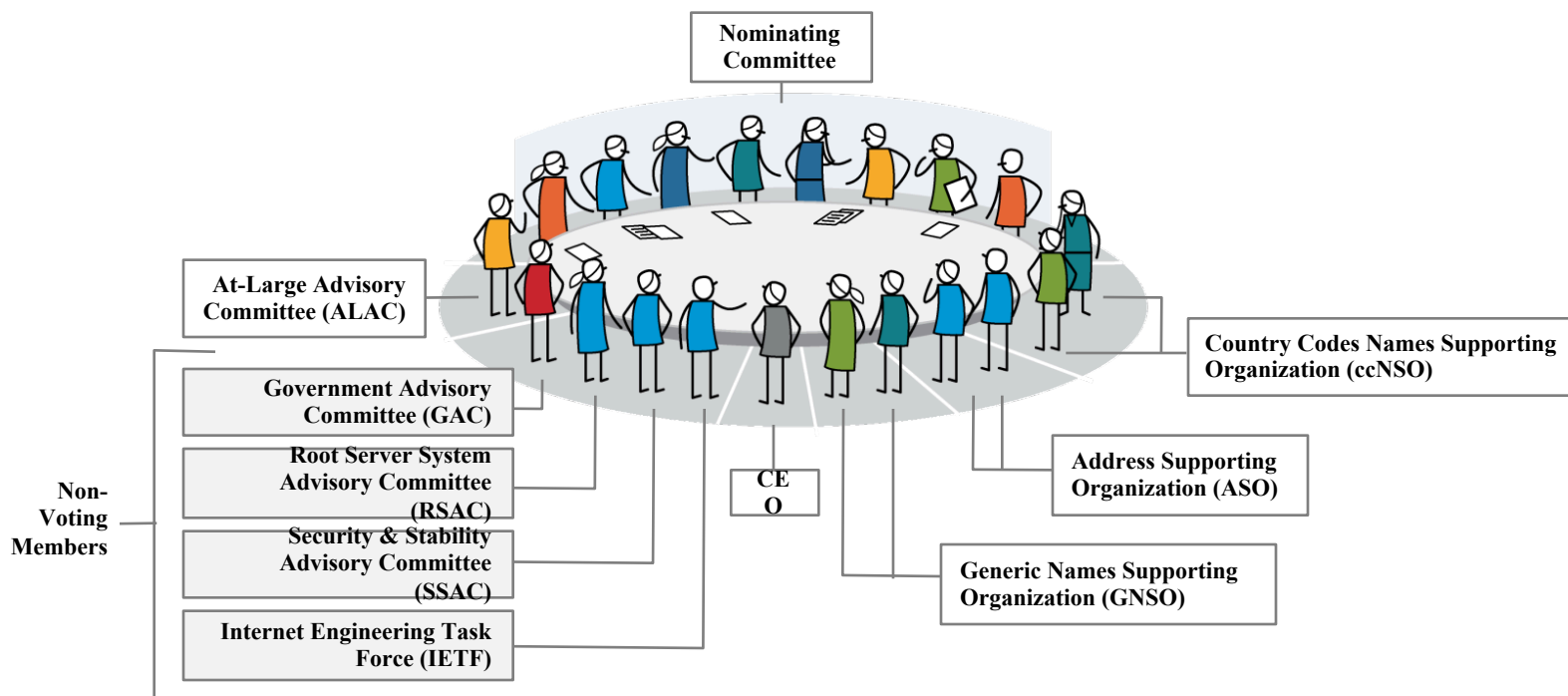The collective efforts of the ICANN community culminate in a common shared goal:

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ICANN Board of Directors

The ICANN Board is responsible for the oversight of the strategy and operations of ICANN, as well as consideration of policy recommendations arising out of the Supporting Organizations, including, as necessary, consideration of advice on those policy recommendations coming out of the Advisory Committees

Nominating Committee

At-Large Advisory Committee (ALAC)

Non-Voting Members

Government Advisory Committee (GAC)

Root Server System Advisory Committee (RSAC)

Security & Stability Advisory Committee (SSAC)

Internet Engineering Task Force (IETF)

CEO

Country Codes Names Supporting Organization (ccNSO)

Address Supporting Organization (ASO)

Generic Names Supporting Organization (GNSO)

For more information visit:
https://www.icann.org/resources/pages/board-of-directors-2014-03-19-en

Business

Government & Governmental Organizations

Civil Society

Domain Name Business

Internet Users

Academic

Technical

Examples

- Internet Protocol addresses exhaustion and new version (IPv4 & IPv6)

- New generic Top Level Domains programme

- Internationalised Domain Names Top Level Domains (IDNs)

- Transition of the US Government's stewardship of the IANA functions

IPv4 → IPv6

- IPv4: 32-bit address space = 4 billion addresses
IPv4 address: 192.0.2.53

- IPv6: 128-bit address space = 340 undecillion (340 x 10^36) adresses
Ipv6 address: 2001:0db8::53

- Almost 3,5 billion Internet Users today

- Most IoT devices will need an own IP address!

- Growth and Development of globally Interoperable Internet

New generic Top Level Domains

- Application period: 12 January – 30 May 2012

- **1930** applications (569 withdrawn)

- **1260** potential new endings by 2017

.budapest	.coffee	.corsica	.gucci
.berlin	.baby	.swiss	.bmw
.nyc	.book	.tatar	.calvinklein
.london	.lawyer	.catholic	.canon
.paris	.sucks	.shia	.apple
.sydney	.buy	.scot	.audi

Internationalised Domain Names (IDNs)

- First ones (ccTLDs) in 2010:

  .рф; ελ; .مصر; .இந்தியா;新加坡

- 2013, open for gTLDs:

  онлайн: "online"
  сайт: "site/strona"
  游戏: "gra/gry"
  .グーグル (google)
  .我爱你 (Iloveyou)
  .商标 (trademark)
  .购物 (shopping)
  .닷넷 (net)

ICANN

Transition of US Government's Stewardship of the IANA Functions

- 14 March 2014: U.S. Government (NTIA) announces intent to transition its stewardship of the IANA functions to the global Multistakeholder community

The community developed two parallel processes:

IANA Stewardship Transition
Focused on delivering a proposal to transition the stewardship of the IANA functions to the multistakeholder community
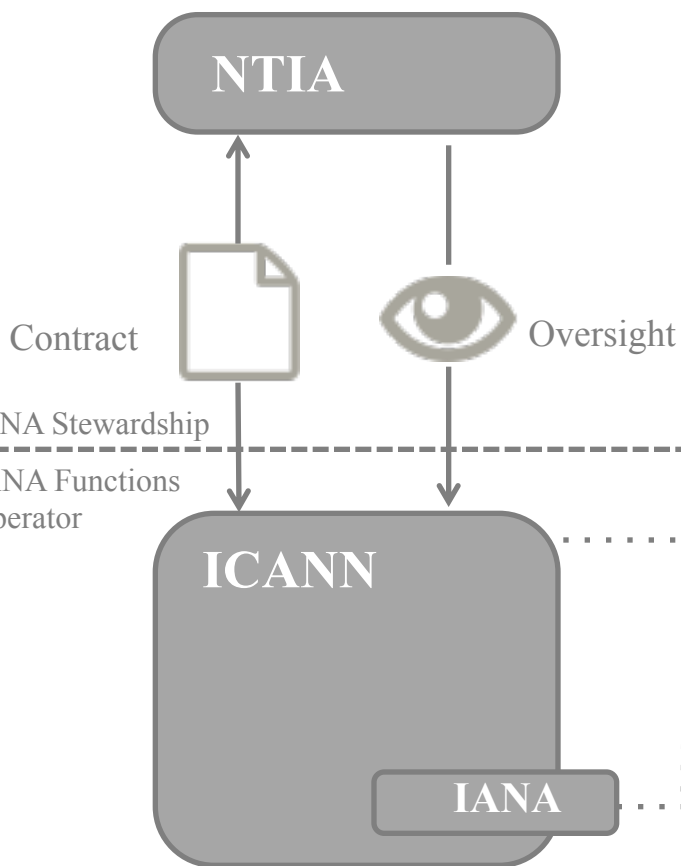
Enhancing ICANN Accountability
Focused on ensuring that ICANN remains accountable in the absence of its historical contractual relationship with the U.S. Government
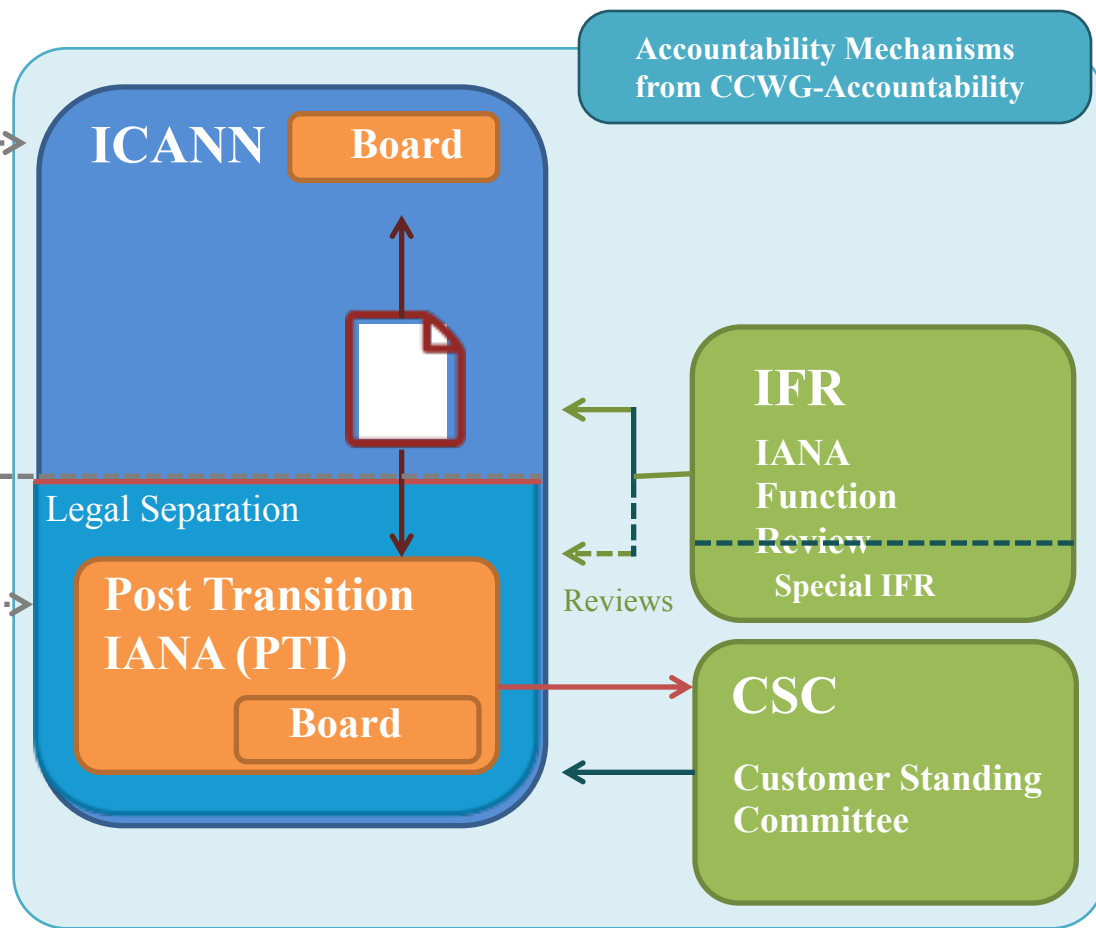
- 1 October 2016: Contract with NTIA expires

Stewardship: Structural Overview

Köszönöm!

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