# ICANN and new gTLDs

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ICANN Board of Directors
2011.11.29

# Outline

- Brief History of ICANN
- Japanese contribution
- What's next?
- Summary

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# Internet Addresses

- Every host computer on the net has an IP address:
  - IPv4 (32 bits)/IPv6(128 bits)
  - IANA allocates blocks of addresses to RIRs
  - RIRs (ARIN, RIPE, APNIC, LANIC, AfriNIC) allocate addresses to LIRs (ISPs)
  - LIRs (ISPs) assign addresses to users

# Top Level Domain Names

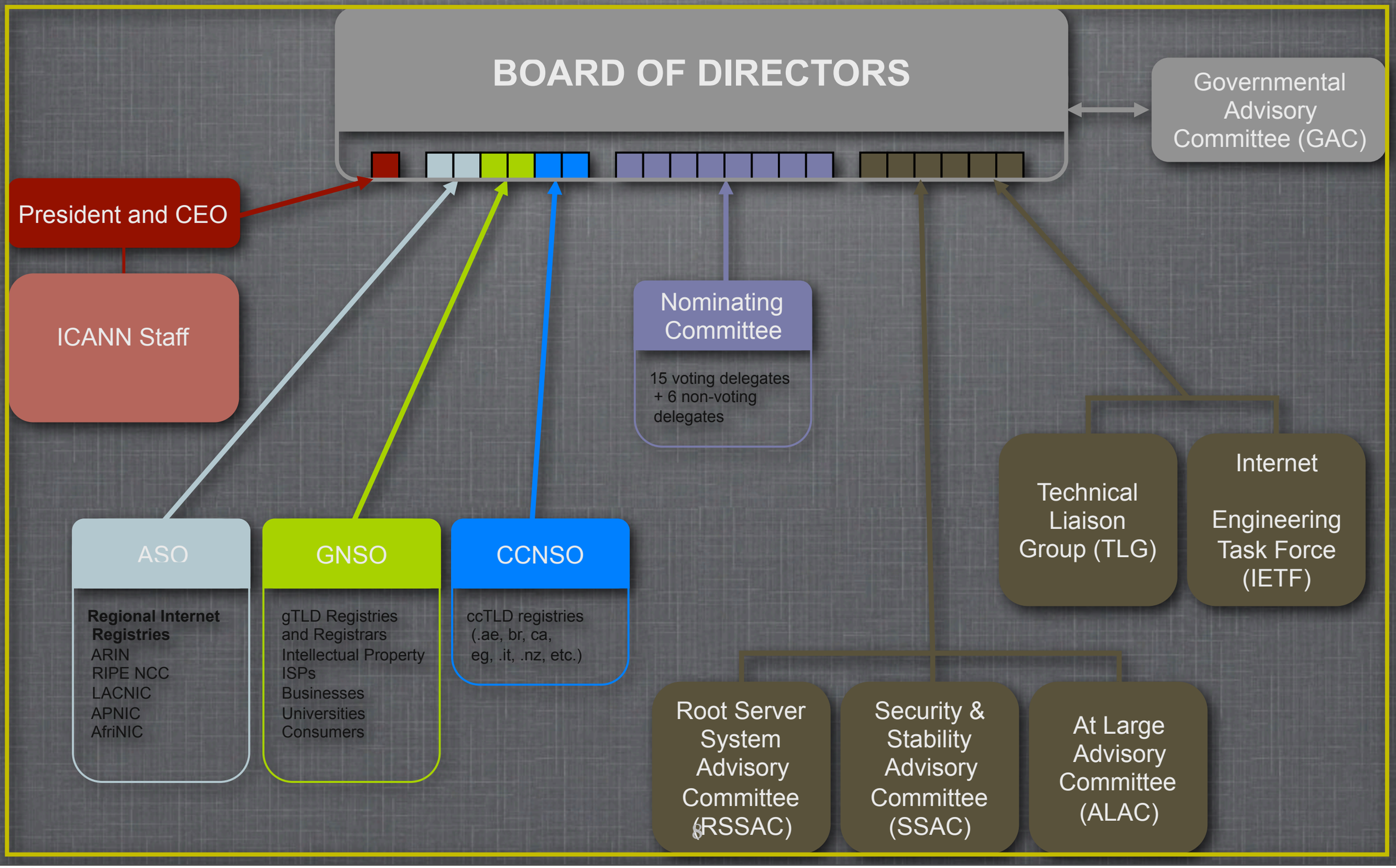
# Early history

- June 3rd, 1998 : The US white paper released:
  - Bottom up processes;
  - Industry self-regulation;
  - Transparent;
  - Geo-Diverse;
  - Government-Free;
  - A role of WIPO
  - Competition.

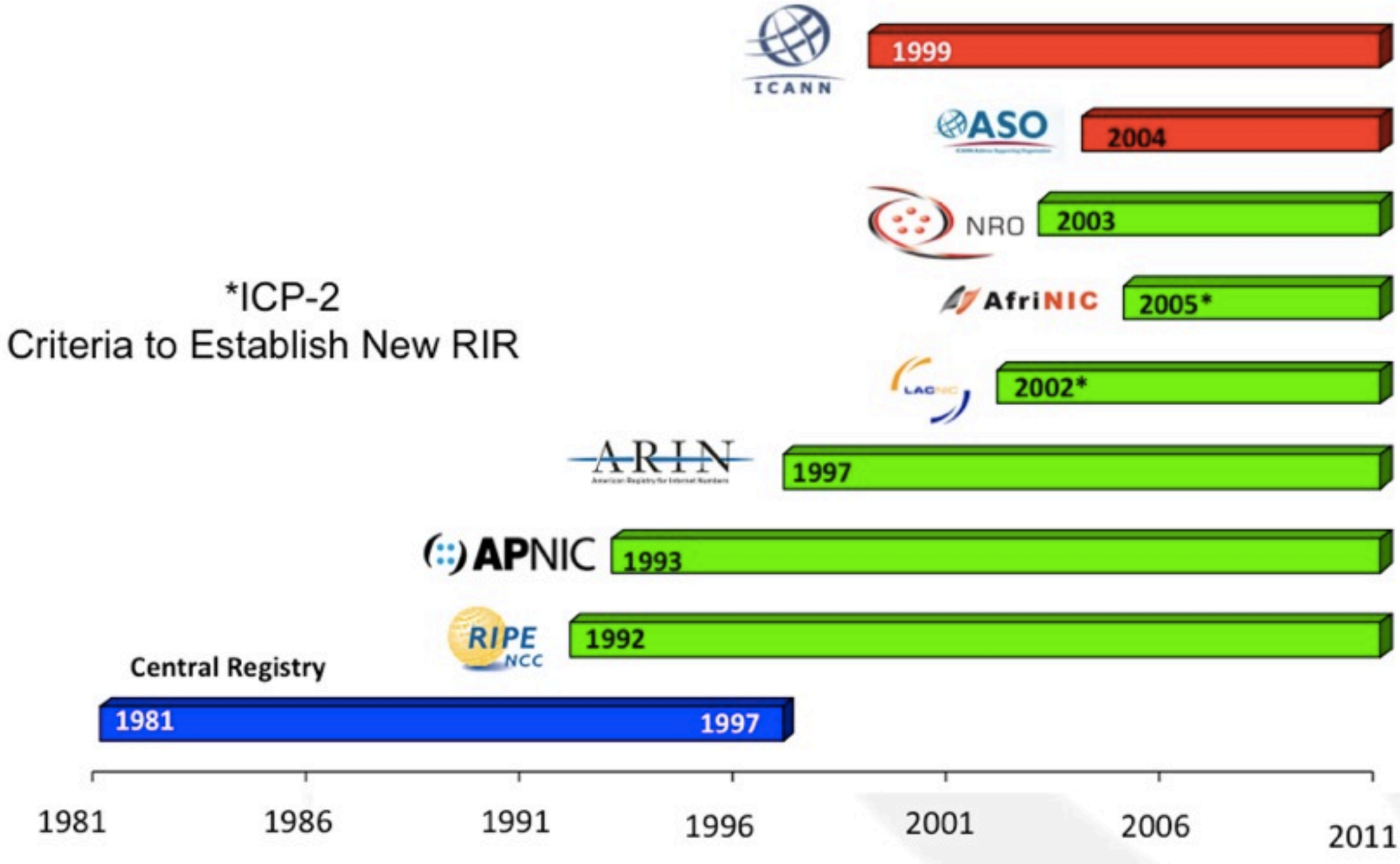
# ICANN

- September 13, 1998 draft bylaws of ICANN
- October 2, 1998 ICANN submits proposal
- November 10, 1998 NTIA announced reviewing a submission by ICANN on its bylaws
- November 25, 1998 A MoU signed between ICANN and DOC, US
- September 28, 1999 New Registry agreement signed between ICANN and NSI, providing for multiple registrars in .com, .net and .org

# ICANN'S STRUCTURE



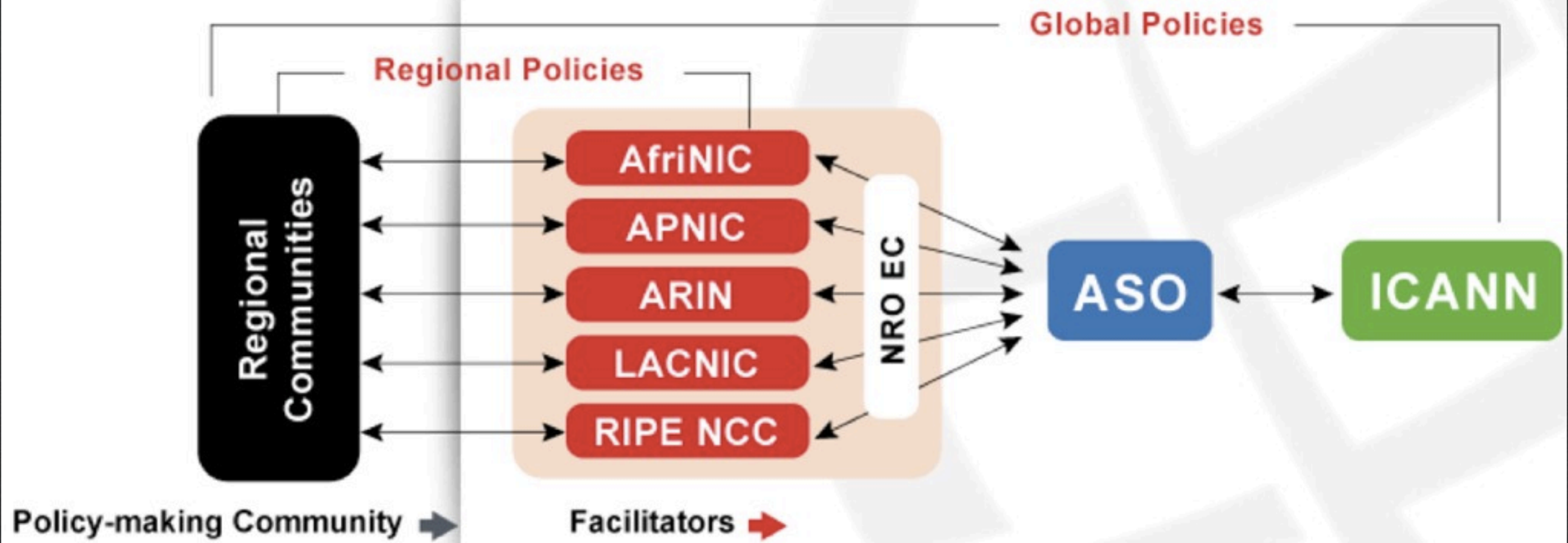
# RIR System Evolution




*ICP-2
Criteria to Establish New RIR

# RIR Service Regions

# The RIR PDP in the Global PDP



# ccNSO

- 119 members（2011/9/8）
  - 27 members (Africa)
  - 33 members (Asia Pacific)
  - 31 members (Europe)
  - 24 members (Latin America)
  - 4 members (North America)

# gTLD Timeline

New Generic Top-Level Domains

## Predating ICANN (before 1998)

.com .edu .gov .int .mil .net .org .arpa

## 2000 Round

.aero .biz .coop .info .museum .name .pro

## 2004 Round

.asia .cat .xxx .jobs .mobi .tel .travel .post

## New gTLD Program Policy development

Dec 2005 to Sep 2007

# Public Participation and the Draft Applicant Guidebook

- October 2008 (version 1)
- May 2009 (excerpts)
- March 2009 (version 2)
- October 2009 (version 3)
- February 10 (excerpts)
- May 2010 (version 4)
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- April 2011 Discussion Draft
- May 2011 Applicant Guidebook

New Generic Top-Level Domains

**Program Launch**
12 January - 12 April 2012

**Board Approval of Final Guidebook**

**Publication Final Applicant Guidebook**

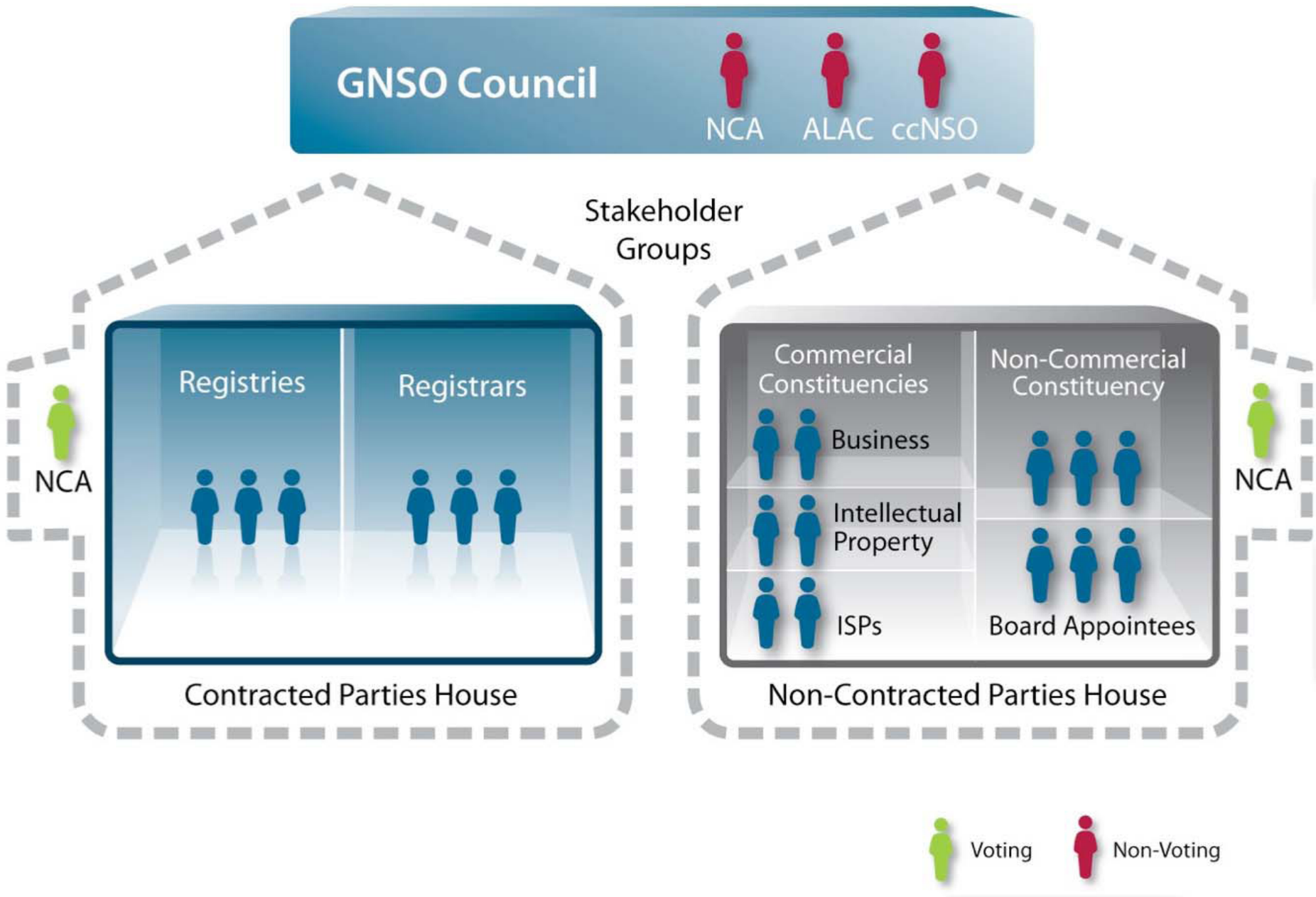
**ICANN Board Policy approval Jun 2008**

**Communications Campaign 20 June 2011**

**On-going status reporting on ICANN's website**

# GNSO

## Structure of GNSO



# GAC

- Government Advisory Committee
  - Charter
  - Chair and 3 vice-chairs (regional balance)
  - 100+ members, 50~60 at each meeting
  - International organizations as observers
- GAC liaison to Board represents GAC interests to best of ability

# ICANN multi-stakeholder model

ICANN

Ombudsman

President and CEO

ICANN Staff
MDR – 68
SV – 11
DC – 9
Sydney - 5
Brussels - 5
Other US - 11
Other non-US - 14

Chair

Board of Directors

16 | 9 10 13 14 11 12 | 1 2 3 4 5 6 7 8 | 15

Nominating Committee
Per ICANN Bylaws, Article VII, section 2

Governmental Advisory Committee — GAC

Technical Liaison Group — TLG

Internet Engineering Task Force — IETF

**ASO**
**Regional Internet Registries**
ARIN
RIPE NCC
LACNIC
APNIC
AfriNIC

**GNSO**
gTLD Registries
gTLD Registrars
IP interests
ISPs
Businesses
Universities
Consumers

**ccNSO**
**ccTLD registries**
(.us, .uk, .au, .it, .be, .nl, etc.)

**At-Large**
**Internet Users**
(At-Large Advisory Committee, in conjunction with RALOs)
ALAC

Security & Stability Advisory Committee — SSAC

Root Server System Advisory Committee — RSSAC

2011

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# Japanese Contributions

University of Tokyo Computer Center

JNIC

1991

JPNIC

APNIC

1993

JPRS

JES/IDN

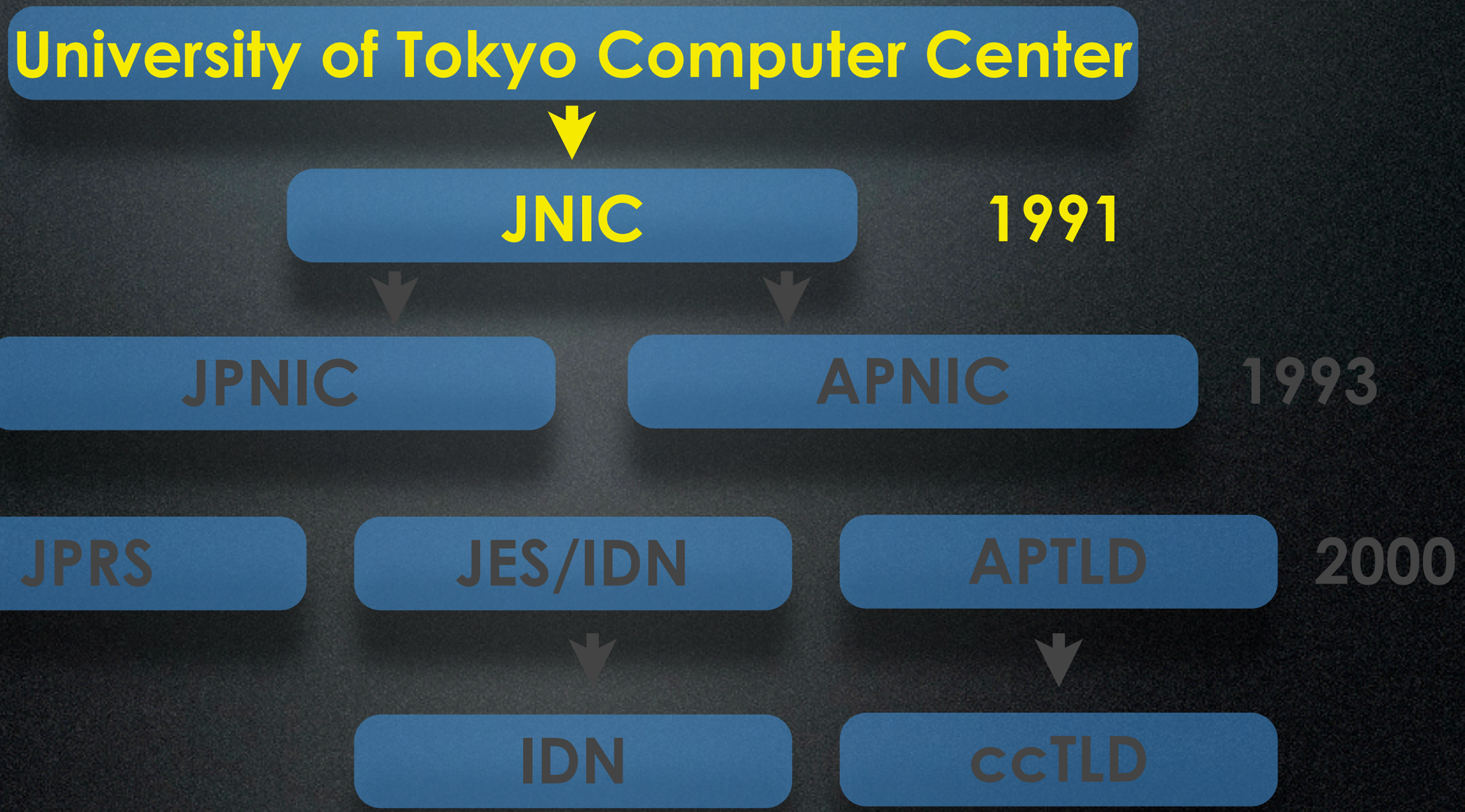
APTLD

2000

IDN

ccTLD

# Japanese Contributions



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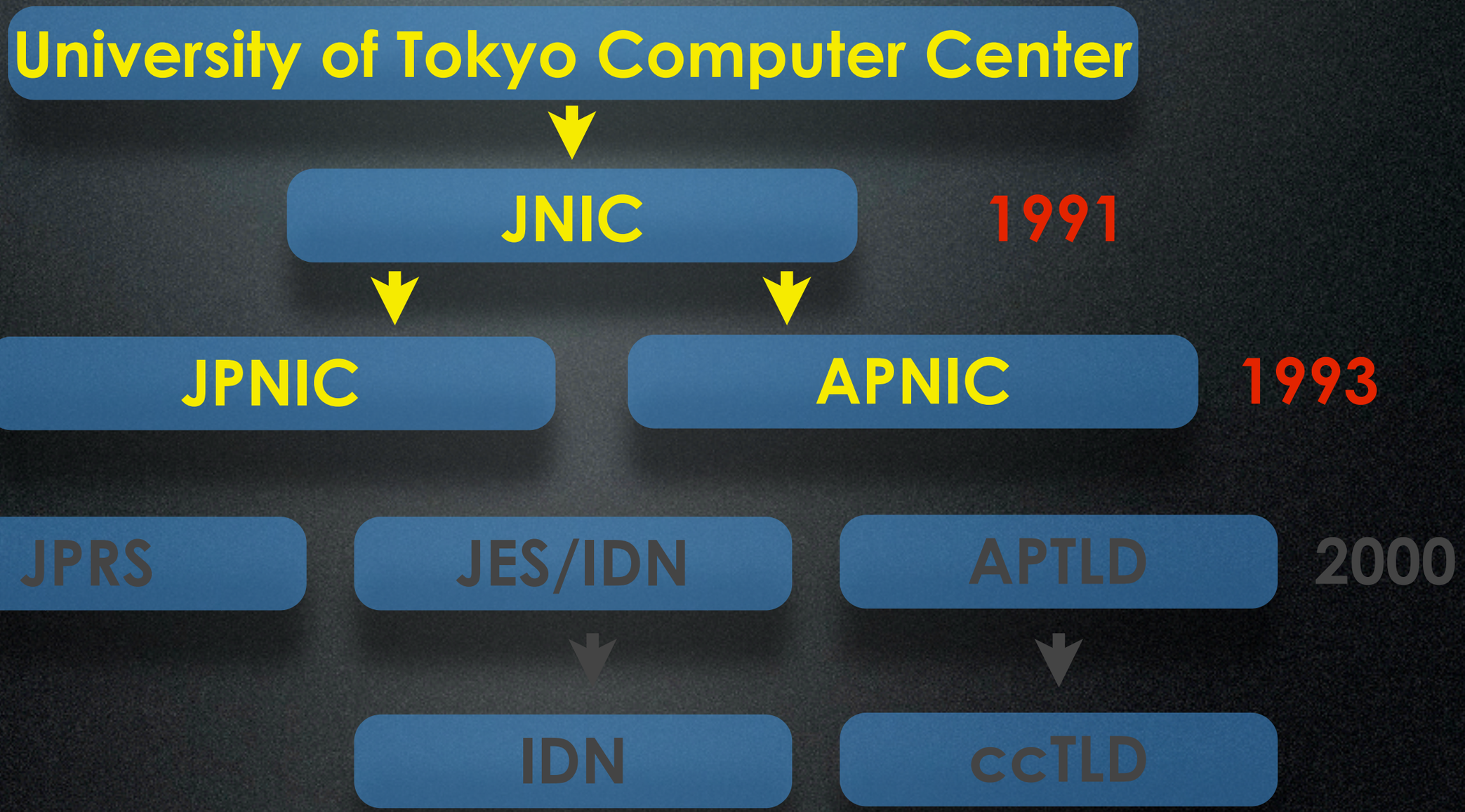

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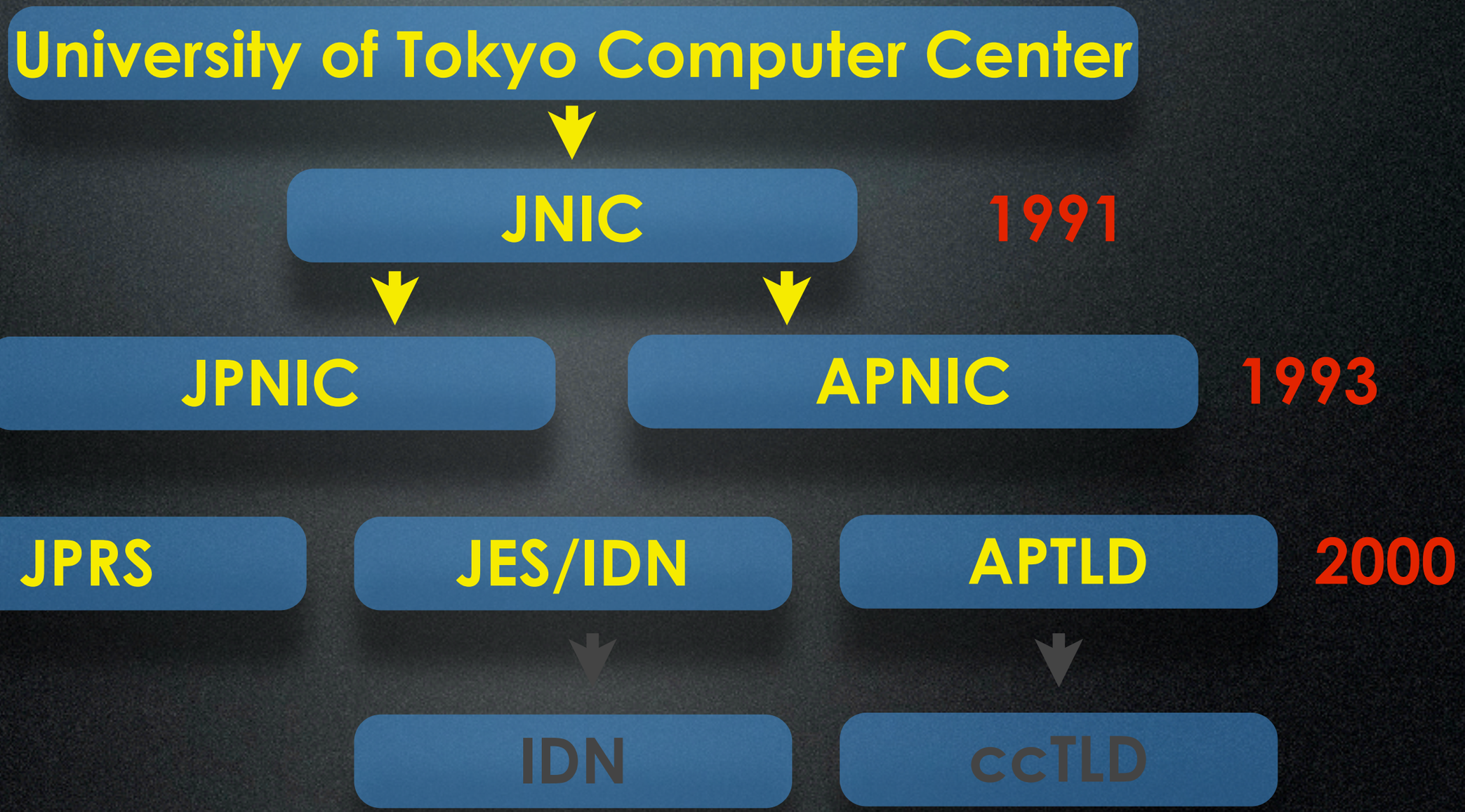

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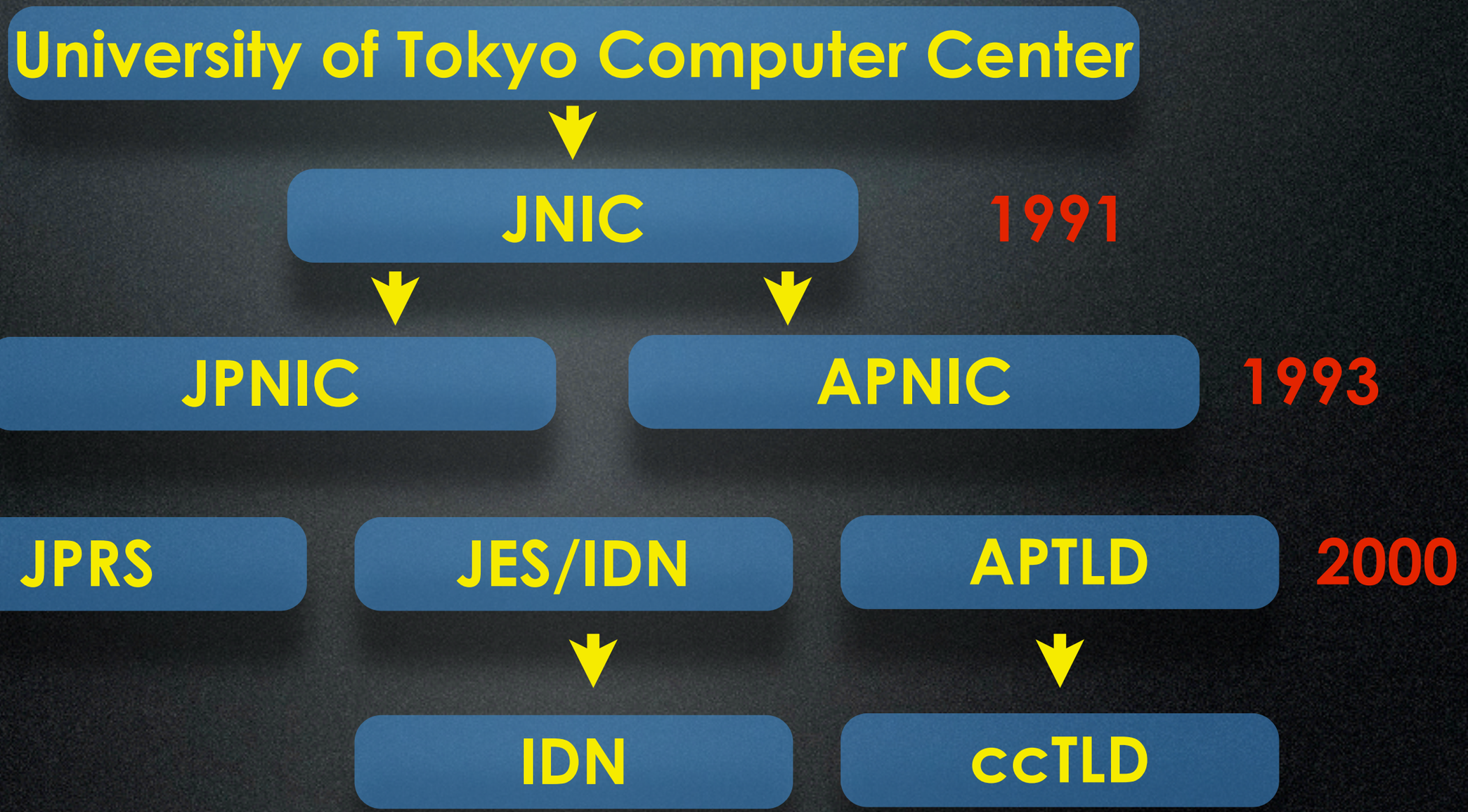

# Japanese Contribution

- ICANN Board of Directors
  - Jun Murai (1998~2003)
  - Masanobu Katoh (2000~2003)
  - Joichi Ito (2004~2007)
- APNIC ECs :
  - Jun Murai (1996~1997)
  - Toru Takahashi (1998~1999)
  - Kazunori Konishi (2000)
  - Akinori Maemura (2001~Now)
- ICANN ASO : Tomohiro Fujisaki
- APTLD : Yumi Ohashi (JPRS)

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# What's next?

- IPv4 to IPv6
- Enhance the security of Internet
- Internationalize the domain names
- Switch from direct oversight by the US to community accountability
- new gTLDs

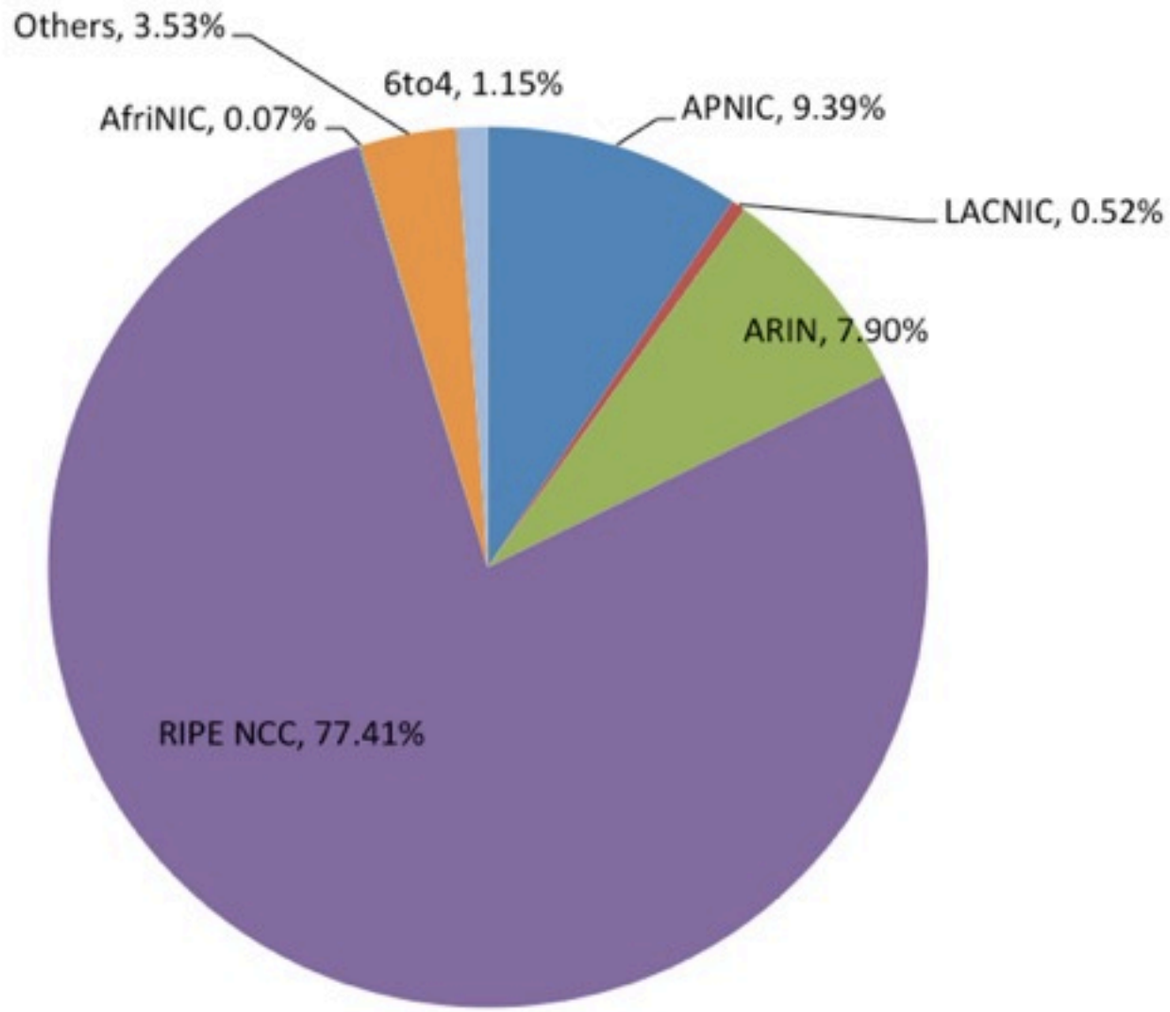
# IPv6 Status

## Numbers of Alexa Top 1M Websites that Supports IPv6

Last Updated: November 2011
Sources: ipdn.nii.org.tw

# IPv6 Status

## IPv6 Websites Distribution (by RIRs) based on Alexa & IANA

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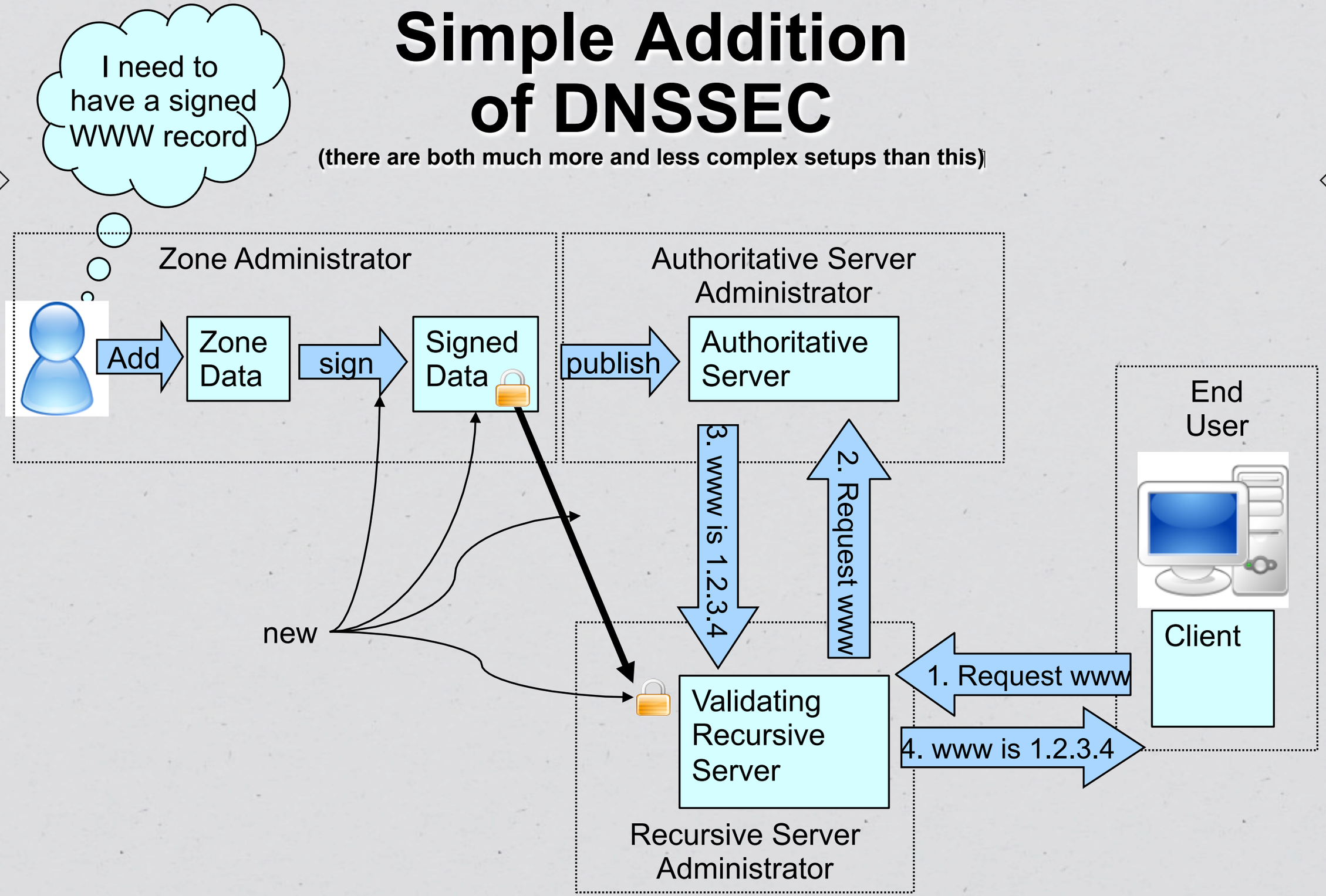
# Simple Addition of DNSSEC

**(there are both much more and less complex setups than this)**



# Internationalized Domain Names

United Arab Emirates امارات.

Saudi Arabia السعودية.

Russian Federation .рф

Egypt مصر.

China .中国 and .中國

Taiwan .台灣 and .台湾

Hong Kong .香港

# ICANN's Mission and New gTLDs

**1998 - founding documents**

"The new corporation ultimately should … 3) oversee policy for determining the circumstances under which new TLDs are added to the root system"

**ICANN/U.S.A. government agreements**

"Define and implement a predictable strategy for selecting new TLDs"

**2009 - Affirmation of Commitments (9.3)**

Promote competition, consumer trust and consumer choice

# Public Participation and the Draft Applicant Guidebook

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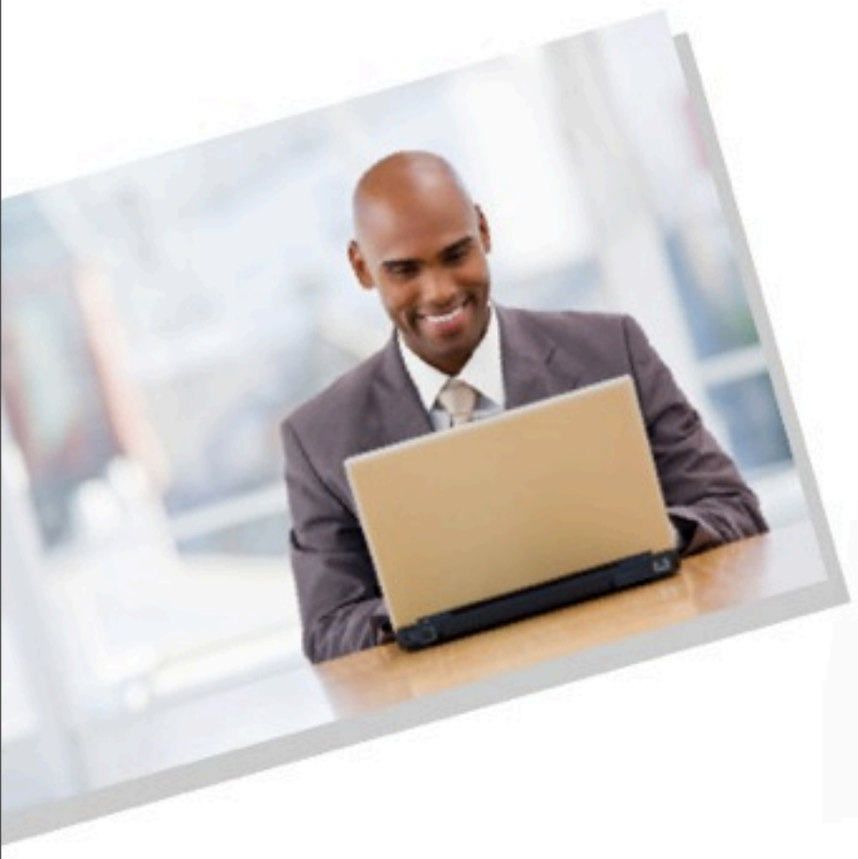
# Who Can Apply?

**Entities from anywhere in the world** that meet the pre-defined criteria and requirements as outlined in the Applicant Guidebook

ATTENTION!

- Not for individuals
- This is a business commitment to become a **REGISTRY!**

# How to Apply?



- Online
  - **TLD Application System (TAS)**
  - will be accessible via www.icann.org
- Process application in English
- Answer questions; upload documents
- Critical deadlines

# When can I Apply?

## 2012

### January

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | | | | |

### February

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | | | | | | |

### March

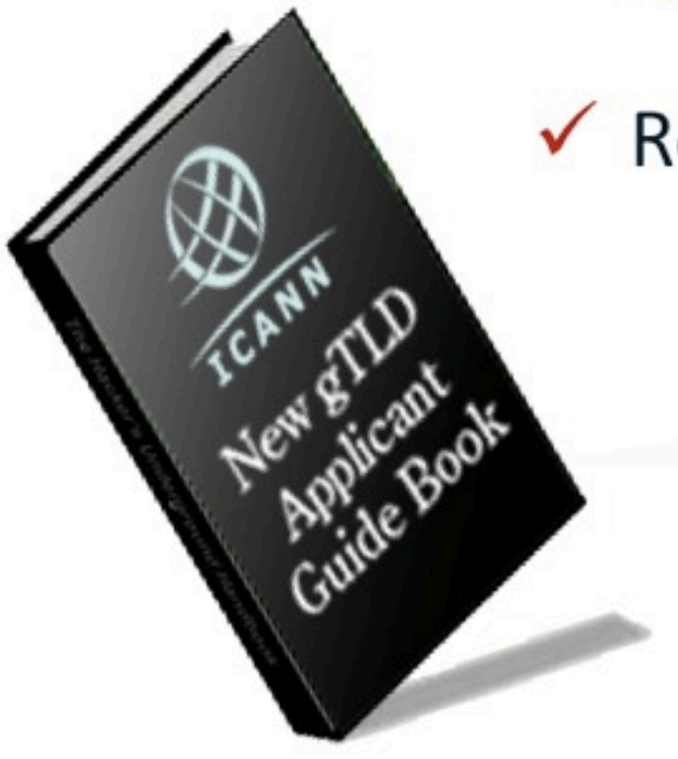
| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | | | | |

### April

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | | | | | |

# What do I Need to Apply?

- ✓ **Review Applicant Guidebook for details**
- ✓ Get strategic third parties involved early
- ✓ Attention to additional requirements for **geographic**, **community** and **IDN** applications
- ✓ Review deadlines



# How Much?

## Evaluation fee - US$ 185,000

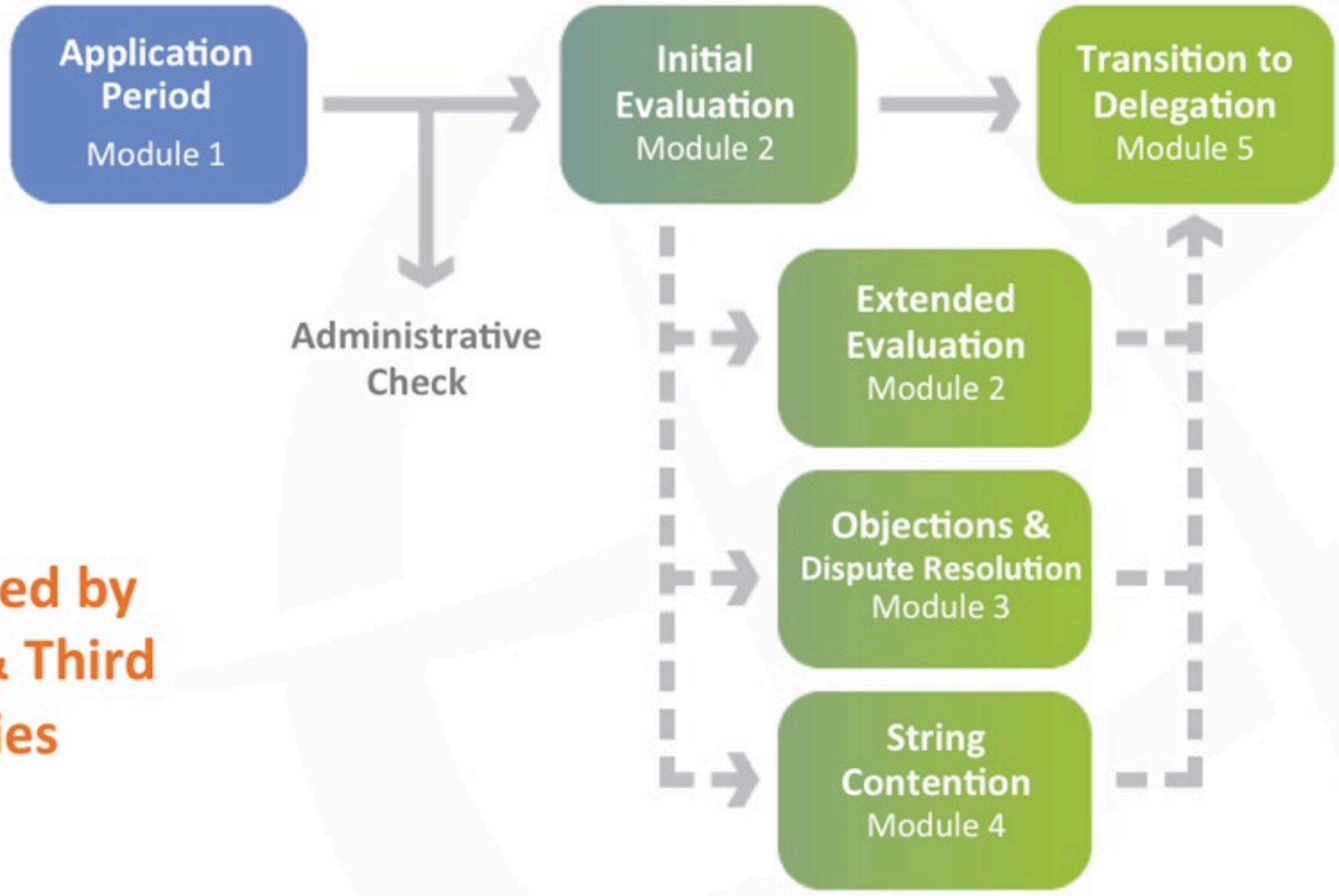
- Paid to ICANN
- US $5,000 which is due upon TAS registration
- Refunds apply in certain cases
- Other fees may apply – might not be paid to ICANN

## On-going Registry Fees

- US$ 25,000 annual Registry fee
- Transaction fee US$ 0.25

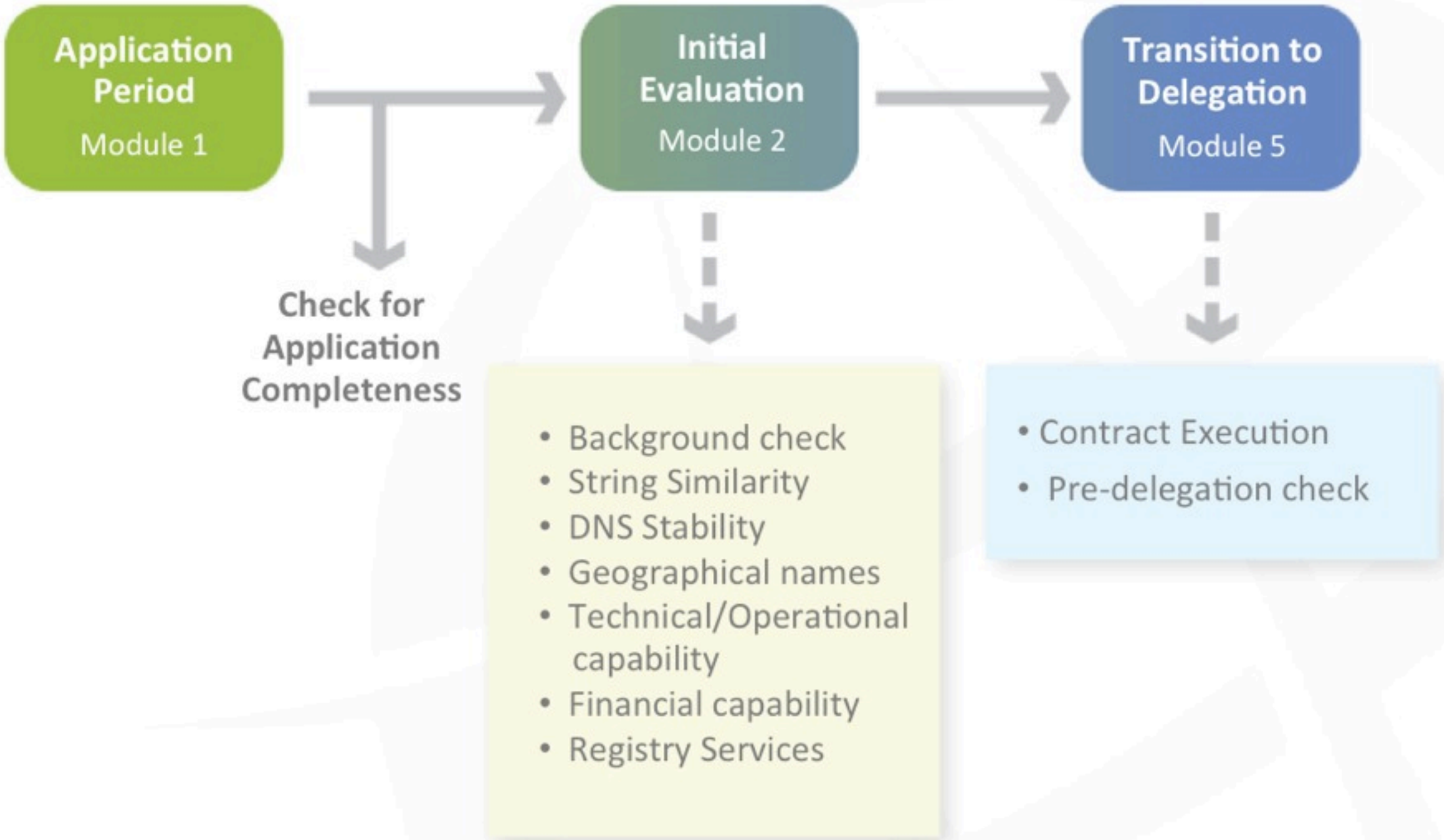
These are evaluation and Registry fees only. Consider carefully the costs for running a Registry.

# Evaluation Process




**Processed by ICANN & Third Parties**

# Straightforward Evaluation Path



# Variables in Evaluation Path

**Extended Evaluation**
Module 2

- Technical/Operational
- Financial
- Geographical Names
- Registry Services

**Objections & Dispute Resolution**
Module 3

- String Confusion
- Legal Rights
- Limited Public Interest
- Community Objection
- *Independent Objector*

**String Contention**
Module 4

- Community Priority Evaluation
- Auction

**Plan for Additional Fees & Processing Time**

# Grounds for Objection

String Confusion

Legal Rights

Limited
Public interest

Community
Objection

# What Should I do Now?

- ✓ Evaluate if the New gTLD Program is for you
- ✓ Review Applicant Guidebook
- ✓ Get educated about the Registry business and the DNS industry
- ✓ Understand what is needed to get ready

# If I Choose NOT to Apply…

**Monitor the program to understand:**

- ✓ Impact to brand/trademark
- ✓ Impact to community and geographic names
- ✓ Potential Industry trends
- ✓ Competitors actions
- ✓ Changes to Internet
- ✓ User behavior

# More Information…

- www.icann.org/newgtlds
- New gTLD Program web-pages ⇨

  • Applicant Guidebook
  • Factsheets
  • Global Events
  • Public Comments
  • Status Reports

  *more…*

- Write to: newgtld@icann.org

NewgTLDsICANN

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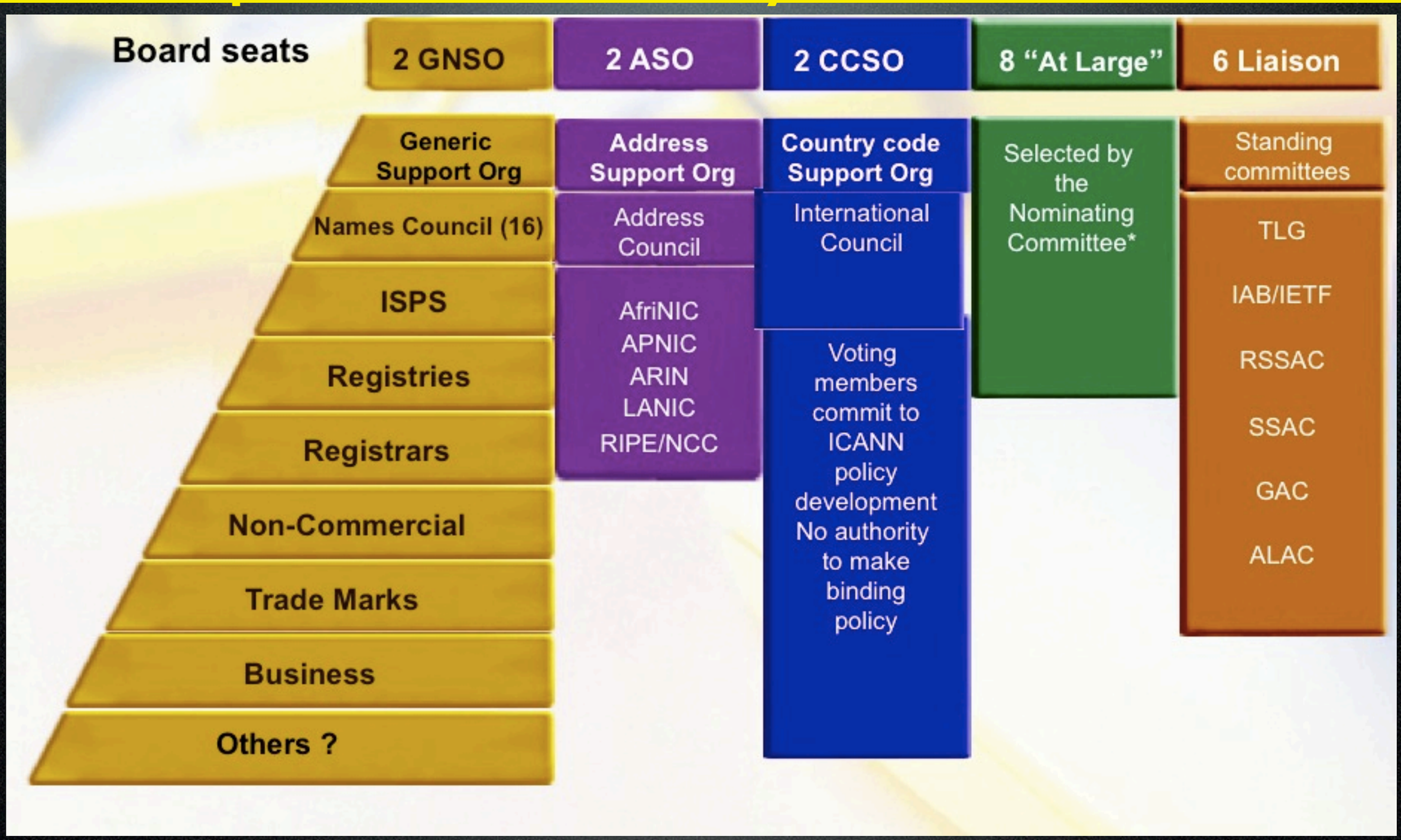
# Summary

***What Japanese Community can contribute now?***

# Summary

## What Japanese Community can contribute now?



# QUESTIONS?