

Evolution & Governance of the Internet's Unique Identifier Systems

2026.05.12 | TW Internet Week

(ICANN APAC – TWNIC Engagement Forum)

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www.asia

Asian #InspirAsian

Some of the Questions to Explore:

1. What are some of the Alternative Naming Systems (ANS) used? How do they complement the DNS/IP systems?
2. How does the governance system for the ANSes work? Is it multistakeholder based? How do (and do) governments participate?
3. How does AI Agent identity impact your platforms? Would a global standard be useful?





.asia
#RiseWithAsia

What is “.asia”?

www.domain.asia



Every .Asia Domain Contributes to Internet Development in Asia

Relief.Asia - Home - Mozilla Firefox
http://relief.asia/

Relief.Asia
緬甸風災 Myanmar Cyclone 2008.05.03
四川大地震 Sichuan Earthquake 2008.05.12

Welcome to ISIF - Mozilla Firefox
http://isif.asia/groups/isif

Information Society Innovation Fund - ISIF
wiki blog calendar mail

isif.asia

www.creativecommons.asia - Mozilla Firefox
http://www.c.creativecommons.asia

creative commons.asia

資訊教育共同體 - Mozilla Firefox
http://itrc.hkics.org.hk/prog

ITRC 資訊科技資源中心

Asian Open Source Software Centre - OSS.Asia - Home - Mozilla Firefox
http://www.oss.asia/main.pl

OSS.ASIA
Asia Open Source Software Centre

GI GI = One Laptop Per Child = OLPC.Asia - Mozilla Firefox
http://www.olpc.asia

one laptop per child
四川孩子的希望 · 中國孩子的希望
每普一電腦

NetMission.Asia - Mozilla Firefox
http://www.netmission.asia/main

NetMission Ambassadors program
網域使命
NET MISSION 網域使命.ASIA

The Organizer The Program Application Exchange Opportunity Enquiries Blog Seminar Series

NET MISSION Seminar series
NET MISSION Ambassadors program
NET MISSION Ambassadors program
About the Program
AMBASSADOR BLOG
TRAINING PROGRAM



NETMISSION.asia

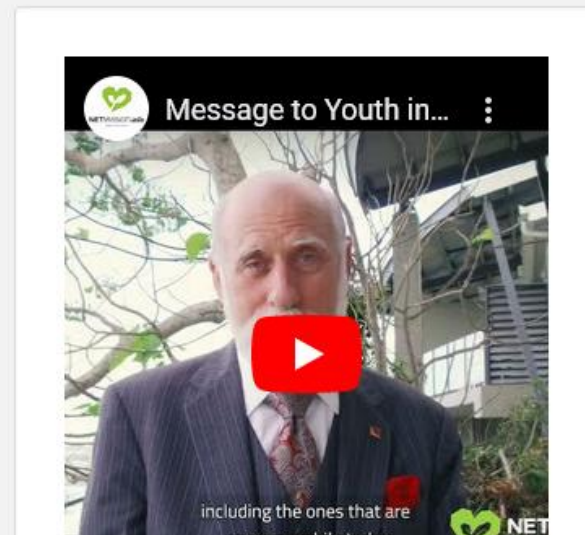
Youth engagement program on Internet Governance & Digital Inclusion. Ambassadors selected from Universities are trained on global Internet issues and tasked with implementing their own projects. Alumni projects have touched Primary & Secondary School Students and Beyond.



APPO Policy Review Report – December 2023

A Fight for Online Safety and Digital Rights:

An Overview of Recent Policy Developments in Australia, Nepal, and Myanmar



APAC Youth: WSIS+20

Asia Pacific Youth are co-writing the future of the Internet
🚀 Contribute to the WSIS+20 Youth Statement now!



Happening Soon! Don't Miss the APAC Youth: WSIS+20 Series

A two-day virtual series spotlighting Asia-Pacific youth voices in shaping the future of digital development and cooperation.

📅 02-03 July 2025
13:00 - 15:00 UTC

Join the series – Register now!

Register at nma.asia/apac-youth-wsis20 now!

Organized by: [www.asia](https://www.asia.netmission)



APIGA 2025 Youth Statement for WSIS+20

As the global community reflects on 20 years since the World Summit on the Information Society (WSIS), the decisions made today will shape how the Internet is governed, how digital access is provided, and how online rights are protected for years to come. In a region as dynamic and diverse as the Asia Pacific, it is essential that young people, who are both drivers and beneficiaries of digital transformation, have a meaningful role in shaping the future. This statement presents the calls to action of youth leaders from 20 economies across the Asia Pacific, gathered at the Asia Pacific Internet Governance Academy 2025. It reflects the outcomes of discussions held on August 20 and 21, 2025, in Busan, South Korea.

APAC Youth: WSIS+20 Series

July 02 - 03 Webinar



APAC Youth: WSIS+20 Series

A two-day virtual series spotlighting Asia-Pacific youth voices in shaping the future of digital development and cooperation.

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TOP WEB3 DOMAINS FOR 2026





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Technical Study Group Forming: gTLD Integrations with Alternative Naming Systems

27 April 2026

By [John Crain](#) and [Theresa Swinehart](#)

ICANN is in the process of forming a new technical study group (TSG) to understand the implications of integrating a generic top-level domain (gTLD) name with the same name in an

Recent Blogs

[Keeping the DNS Reliable:](#)





Resources

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[Domain Name System Abuse](#)

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[Contracted Parties \(Registry Operators and Accredited Registrars\)](#)

ICP-3: A Unique, Authoritative Root for the DNS

IMPORTANT NOTICE. The following Internet Coordination Policy is being posted for the information of the Internet community and is a statement of policy currently followed in administering the authoritative root of the [Domain Name System](#).

Comments on this document are welcome and should be directed to comments@icann.org.

A Unique, Authoritative Root for the DNS

(9 July 2001)

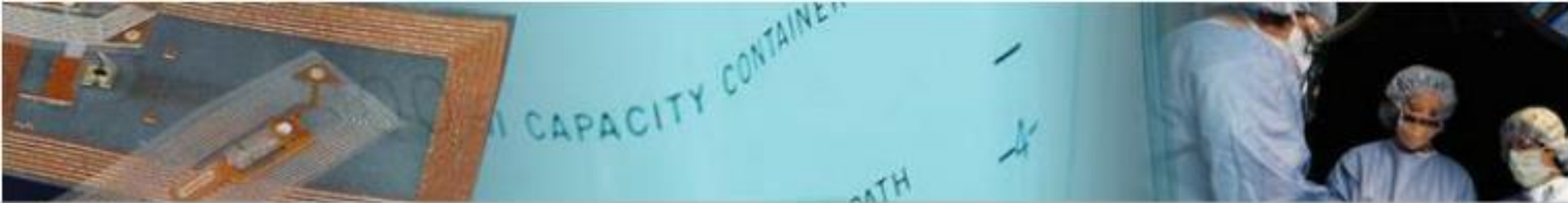
Abstract

This document reaffirms [ICANN's](#) commitment to a single, authoritative public root for the Internet [Domain Name System \(DNS\)](#) and to the management of that unique root in the public interest according to policies developed through community processes. This commitment is founded on the technical and other advice of the community and is embodied in existing [ICANN](#) policy.

The [DNS](#) is intended to provide a convenient means of referring to sites available on the Internet. By offering users an easy-to-use and reliable means of unambiguously referring to web sites, e-mail servers, and the Internet's many other services, the [DNS](#) has helped the Internet achieve its promise as a global communications medium for commerce, research, education, and cultural and other expressive activities.

The [DNS](#) is a globally distributed database of domain name (and other) information. One of its core design goals is that it reliably provides the same answers to the same queries from any source on the public Internet, thereby supporting predictable routing of Internet communications. Achievement of that design goal requires a globally unique public name space derived from a single, globally unique [DNS](#) root.





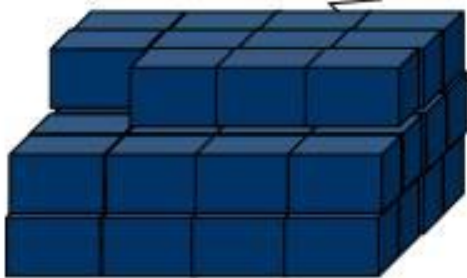
EXPERIENCE. RESULTS.

EPCglobal network for RFID

The tags "wake up" and start broadcasting their individual EPCs



Reader



Items with RFID

Event Server

Savant receives all the EPC from the reader and sends a query over the internet to an Object Name Service seeking information about what the RFID Tag is attached to.



Savant

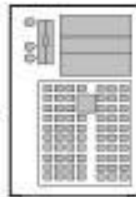
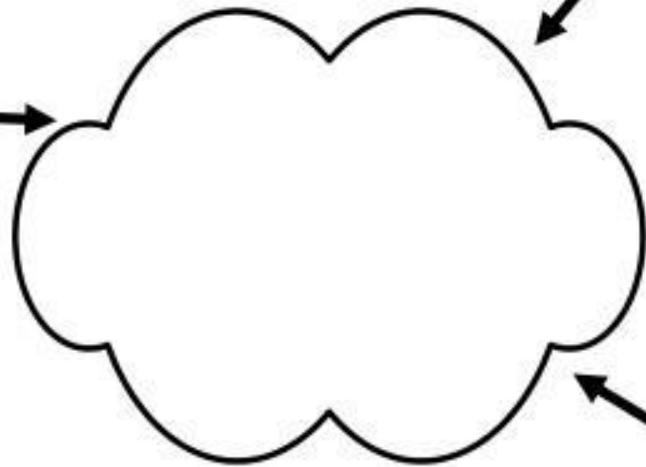


Object Name Server

Object Name Service (ONS) database, which acts like a reverse telephone directory – it receives a number and produces an address of a PML server which has extensive information about the product



Source of Item Information



PML Server

Secure remote Drone ID (DRIP)

agurtov



[Document](#) 

[Date](#) 

[Status](#) 

Active Internet-Drafts (17 hits)

[draft-drake-agent-identity-registry-02](#)

58 pages [2026-04-28](#) I-D Exists

Agent Identity Registry System: A Federated Architecture for Hardware-Anchored Identity of Autonomous Entities

New

[draft-jovancevic-saip-08](#)

38 pages 2026-04-21 I-D Exists

SAIP: Signed Agent Identity Protocol

[draft-singla-agent-identity-protocol-01](#)

114 pages 2026-04-17 I-D Exists

Agent Identity Protocol (AIP): Decentralized Identity and Delegation for AI Agents

[draft-narajala-courtney-ansv2-01](#)

44 pages 2026-04-13 I-D Exists

Agent Name Service v2 (ANS): A Domain-Anchored Trust Layer for Autonomous AI Agent Identity

[draft-nyantakyi-vaip-agent-identity-01](#)

17 pages 2026-04-10 I-D Exists

Vorim Agent Identity Protocol (VAIP)

[draft-sharif-agent-identity-framework-00](#)

52 pages 2026-04-06 I-D Exists

Agent Identity Framework: Trust and Identity for Autonomous AI Agents

[draft-anandkrishnan-rats-ptv-agent-identity-00](#)

14 pages 2026-04-05 I-D Exists

The Prove-Transform-Verify (PTV) Protocol for Attested Agent Identity

[draft-larsson-aitlp-00](#)


47 pages 2026-04-05 I-D Exists



Using Your Own Domain with BlueSky



THE FEDIVERSE



WE REJECT: KINGS,
PRESIDENTS AND VOTING.
WE BELIEVE IN:
ROUGH CONSENSUS
AND RUNNING CODE.

IETF 83

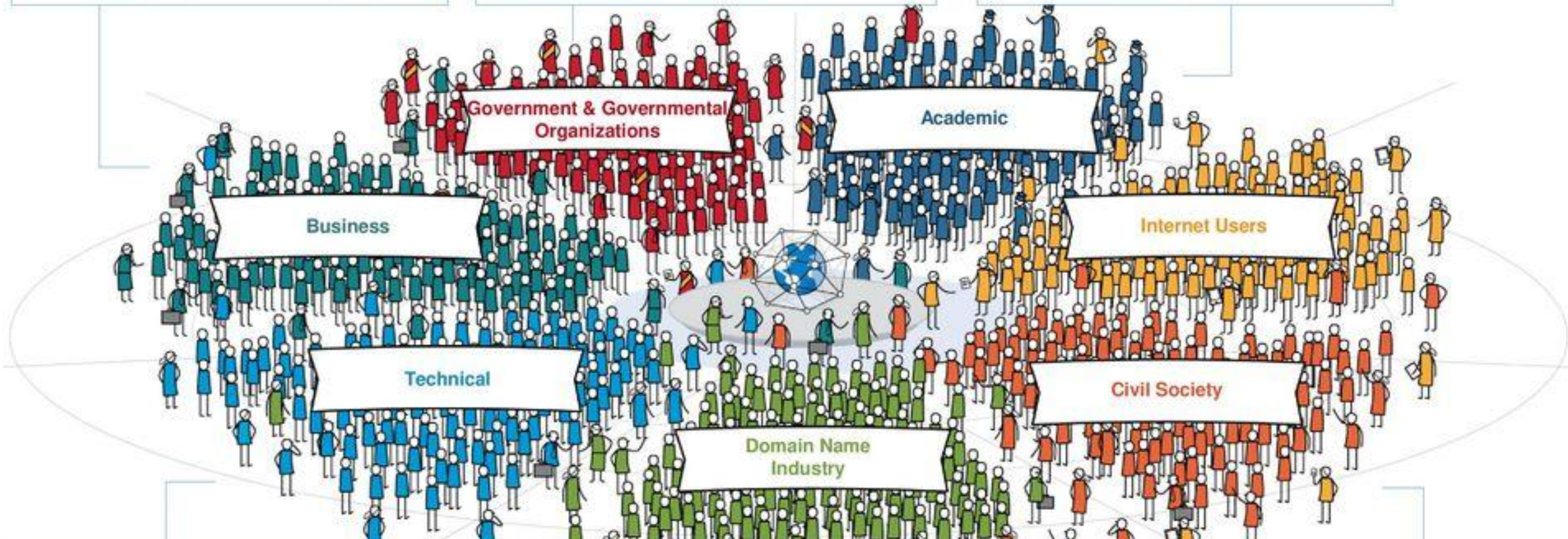
ICANN's Global Multistakeholder Community



- Private-sector companies
- Trade associations

- National governments
- Distinct economies recognized in international fora
- Multinational governmental and treaty organizations
- Public authorities (including UN agencies with a direct interest in global Internet Governance)

- Academic leaders
- Institutions of higher learning
- Professors
- Students





Global Public Interest

- 16330,750

- 15942,51535,65

- 6715,80

3,713 %

+

2,766 %

- 29748,09

4,801 %

4,141 %

1,626 %

31462,04

- 10653,67

1,568 %

- 655

1,760 %

- 27135,17

10272,69

+

2,473 %

- 8488,74

- 17786,46

2,327 %

- 25257,23

2,5 %

1,1 %

- 3649,89

3 1674

5,854 %

24158,26

+

3,686 %

4,833 %

0,6 %

An illustration featuring a dark blue pyramid with three stylized, orange-faced business figures in suits. The top figure is a woman with her head tilted back, while the two bottom figures are men. The background is a light blue sky with soft, yellow and green clouds. Various mechanical icons, including gears and wheels in orange, red, and green, are scattered around the pyramid. Dashed lines and arrows suggest a process or flow. A semi-transparent horizontal band in shades of purple and pink runs across the middle of the image, serving as a background for the text.

Bottom-Up

Bottom-Up

Foundations of Multistakeholder Governance

Multistakeholder

**Design / Agenda
Setting**

**Deliberations /
Development**

**Decision /
Implementation**

Consensus-Based

THE IANA
STEWARDSHIP
TRANSITION



A **historic shift** in
Internet governance.



ICANN



1998–2023

ICCG

IANA Stewardship
Transition **C**oordination **G**roup

ERROR 404:

DEMOCRACY

NOT FOUND



One World One Internet

2025: WSIS+20 @ United Nations

First Hongkonger to speak at the UN General Assembly
Representing the Global Multistakeholder Internet Governance
Community as a Co-Convener of the ground-breaking Informal
Multistakeholder Sounding Board (IMSB).

**Recognizing Technical Community and Youth as two of the key
stakeholder groups in Global Internet Governance discussions.**

Every .Asia Domain
Contributes to Internet
Development in Asia

Thank You! | info@dot.asia



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Asian #GenerAsian