

APAC Space Web Conference

APAC Regional Plan FY21-25



28 April 2020

Agenda

- ⦿ **Welcome Remarks** by Jia-Rong Low (ICANN) (2 mins)

- ⦿ **APAC Regional Plan FY21-25**
 - **Strategic Objective 1:** Strengthen Security of the DNS and DNS Root Server System by Jia-Rong Low (15 mins)

 - **Community Discussion** facilitated by Edmon Chung (APAC Space Community Facilitator) (15 mins)

 - **Strategic Objective 2:** Improve Effectiveness of ICANN Multistakeholder's Governance Model by Jia-Rong Low (10 mins)

 - **Community Discussion** facilitated by Edmon Chung (15 mins)

- ⦿ **AOB** (3 mins)

APAC Space



- ❖ “Space for APAC community members
- ❖ Community-led bi-monthly Sessions — web conference, or face-to-face at ICANN Meetings
- ❖ ”Practice ground” to facilitate community discussion for ICANN participation
 - ❖ DNS industry topics
 - ❖ ICANN Policy Development Processes, and
 - ❖ ICANN Reviews

Subscribe to our mailing list : subscribe@apacspace.asia

Community discussions: discuss@apacspace.asia

Find out more: www.apacspace.asia

APAC Regional Plan FY21-25



Jia-Rong Low

VP, Stakeholder Engagement &
Managing Director, ICANN APAC

<https://community.icann.org/display/GSEAPAC/Asia+Pacific+%28APAC%29+Regional+Plan+FY21-25>



The background of the slide features a dark teal world map on the left side. On the right side, there is a large, stylized graphic of a circuit board or network diagram, composed of various colored lines (orange, yellow, green, blue) and dots, forming a complex, branching structure.

ICANN STRATEGIC PLAN

FOR FISCAL YEARS **2021-2025**

ICANN Strategic Plan

Strategic Objectives

Strategic Objectives for **Fiscal Years 2021–2025**

Taking into account the external impacts on the global growth and evolution of the Internet, the DNS, and other unique identifier systems ICANN helps coordinate, the following five strategic objectives are identified for the fiscal years 2021–2025 to enable ICANN to continue to fulfill its mission and achieve its new vision:



Strengthen the **security** of the Domain Name System and the DNS Root Server System.

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Address **geopolitical issues** impacting ICANN's mission to ensure a single and globally interoperable Internet.

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Improve the effectiveness of ICANN's multistakeholder model of **governance**.

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Ensure ICANN's long-term **financial** sustainability.

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Evolve the **unique identifier systems** in coordination and collaboration with relevant parties to continue to serve the needs of the global Internet user base.

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<https://www.icann.org/en/system/files/files/strategic-plan-2021-2025-24jun19-en.pdf>

ICANN Strategic Plan (II) – Strategic Goals

STRATEGIC OBJECTIVE: Strengthen the **security** of the Domain Name System and the DNS Root Server System.

The Internet's importance to the world's economic, social, and political systems is growing in conjunction with the expansion of its user base, content, and applications. Internet connectivity continues to increase worldwide, particularly in developing countries. This growth brings with it increased pressures on the infrastructure of the Internet, and thus an increasing need for reliability, stability, and security of the DNS and Internet infrastructure.

Levels of security across the different sectors of the global economy vary widely. Vulnerabilities in systems and processes are numerous. For example, distributed denial-of-service (DDoS) attacks using the DNS and other vulnerabilities like malicious software distribution, phishing, and the coordination of compromised machines into "botnets" compromise various aspects of the Internet's infrastructure.

These growing threats also present opportunity. ICANN will strengthen the coordination of the DNS and DNS Root Server Systems, in partnership with the DNS root server operators, authoritative and resolution server operators, and other DNS stakeholders. ICANN can help improve the awareness of these threats and foster greater diversity of thought to best anticipate and respond to these challenges.

Seizing these opportunities requires action. A coordinated approach is necessary to effectively identify and mitigate DNS security threats and combat DNS abuse. Promoting greater adoption of global open Internet standards and enhancing awareness of security threats among stakeholders are two necessary steps that can be taken to strengthen the security and stability of the Internet's infrastructure. All actors have a collective responsibility to ensure that the DNS remains robust.

To achieve this strategic objective, ICANN seeks to:

Improve the shared responsibility for upholding the security and stability of the DNS by strengthening DNS coordination in partnership with relevant stakeholders.

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Strengthen DNS root server operations governance in coordination with the DNS root server operators.

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Identify and mitigate security threats to the DNS through greater engagement with relevant hardware, software, and service vendors.

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Increase the robustness of the DNS root zone key signing and distribution services and processes.

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Formulating the APAC Regional Plan

ICANN Strategic Plan

- ⊙ **Strategic Objectives**
 - **Strategic Goals**



Which Strategic Goal(s) do we focus on?



Proposed Focused Engagement Areas/Activities



Envisioned Outcomes
– **Examples of Outcomes**

Strategic Objective 1: Strengthen Security of the DNS and DNS Root Server System



ICANN Strategic Objective I

STRATEGIC OBJECTIVE: Strengthen the **security** of the Domain Name System and the DNS Root Server System.

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Objective: Strengthen Security of the DNS and DNS Root Server System (I)

1.1 Improve the shared responsibility for upholding the security and stability of the DNS by strengthening DNS coordination in partnership with relevant stakeholders

Proposed Focused Engagement Areas/ Activity	Envisioned Outcomes	Examples of Outcomes
<p>Partner the APAC community in technical projects such as:</p> <ul style="list-style-type: none">• Identifier Technology Health Indicators (ITHI)• DNS Abuse Activity Reporting (DAAR)• DNS Security Facilitation Initiative	<p>Greater APAC representation in listed projects</p>	<p>List of APAC community members that participated in technical projects</p> <p>E.g. TWNIC joined as the first ccTLD to partner in DAAR in Dec 2019</p>
<p>Explore other technical partnerships with the APAC community</p>	<p>Partnerships contribute to the stable and secure operation of the Internet's unique identifier systems within its scope</p>	<p>List of established technical partnerships</p> <p>E.g. Partnered India's NASSCOM (National Association of Software and Services Companies) to establish a technical research project (Jun 2019)</p>

Objective: Strengthen Security of the DNS and DNS Root Server System (II)

1.2 Strengthen DNS root server operations governance in coordination with the DNS root server operators

Proposed Focused Engagement Areas/ Activity	Envisioned Outcomes	Examples of Outcomes
Communicate through established channels and participate in key platforms such as regional/local fora to raise awareness on the evolving root server system and how the DNS works	Regional community informed of the evolving root server system and how the DNS works	Opportunities to inform relevant stakeholders at key regional fora as well as established channels
Grow a network with relevant stakeholders in the region, such as partnering members of the Root Server System Governance Working Group , to contribute to the governance and technical evolution of DNS root server operations and services	Network of relevant stakeholders is informed, and where possible, participate in discussions of the RSS Governance Working Group	<ul style="list-style-type: none">• Number of interested stakeholders who are part of the network• Opportunities to actively inform network on discussions

Objective: Strengthen Security of the DNS and DNS Root Server System (III)

1.3 Identify and mitigate security threats to the DNS through greater engagement with relevant hardware, software and service vendors

Proposed Focused Engagement Areas/ Activity	Envisioned Outcomes	Examples of Outcomes
Communicate through established channels and participate in key platforms to enhance knowledge about DNS operations and security, raising awareness of security threats and to promote higher adoption of global open Internet standards	Relevant stakeholders are informed, and thus gain awareness and knowledge about DNS safety and security, as well as global open Internet standards	Opportunities to inform relevant stakeholders on aforementioned topics at key regional fora as well as established channels
Through capacity development, encourage and promote the deployment of DNS Security Extensions (DNSSEC)	<ul style="list-style-type: none">• Increased DNSSEC signing in the region as a result of capacity development efforts• Increased collaboration with network operators, particularly ISPs to enable DNSSEC validation	<ul style="list-style-type: none">• Number of capacity development activities• Number of operators signing DNSSEC• Number of operators deployed DNSSEC validation
Install ICANN Managed Root Server (IMRS) instances	Increased number of IMRS instances in the APAC region, resulting in greater resiliency of the DNS root server system within the region	<ul style="list-style-type: none">• Number of IMRS instances installed, e.g. first IMRS instance installed in Shanghai, China (Sep 2019)• Contribute to measurements related to DNS performance in region

For Discussion

Approach

- Focus on Implementation – map against Strategic Objectives and Goals
- Limited resources – need focus
 - Not everything is within the capability of the APAC office

Input needed

- Are there areas you want us to prioritise?
 - Can be regional, can be local (e.g. economy-specific)
- Are there areas you'd like to partner us (or each other)?

Community Discussion



Edmon Chung
APAC Space Community
Facilitator

Strategic Objective 2: Improve Effectiveness of ICANN's Multistakeholder Governance Model



Jia-Rong Low
VP, Stakeholder Engagement &
Managing Director, ICANN APAC

ICANN Strategic Objective II



ICANN'S GOVERNANCE

STRATEGIC OBJECTIVE: Improve the effectiveness of ICANN's multistakeholder model of governance.

As the Internet expands and evolves, ICANN's multistakeholder model of governance faces challenges including: increased community responsibilities leading to stakeholder burnout; pressure to accelerate effective cross-community efforts and policy development; concerns about achieving consensus on increasingly complex issues; and stress on the organization's ability to support a larger, open, and engaged multistakeholder community.

ICANN's unique model of governance will continue to be challenged, and those challenges must be addressed in a timely manner for ICANN to remain relevant and successful. ICANN must make its model stronger and more effective.

Ongoing improvement of the decision-making process benefits from ICANN stakeholders collaborating and engaging in consensus building processes. By enhancing stakeholder participation and helping participation become more active and informed, the workload can be more equitably distributed across

the pool of stakeholders. ICANN also will continue to increase diversity and capacity across all parts of its ecosystem. Stronger decision-making systems and more consistent procedures will help improve the efficacy of ICANN's cross-community efforts.

The transition of the coordination and management of the Internet's unique identifiers to the global Internet community reaffirmed the importance of transparency and accountability for ICANN. The organization will continue to address the opportunities and challenges associated with these requirements, while striving for operational effectiveness and fiscal responsibility.

As ICANN seeks to become more effective, it will also continue to meet its commitments, abide by its core values, and honor its bottom-up, consensus-based decision-making model.

To achieve this strategic objective, ICANN seeks to:

Strengthen ICANN's bottom-up multistakeholder decision-making process and ensure that work gets done and policies are developed in an effective and timely manner.

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Support and grow active, informed, and effective stakeholder participation.

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Sustain and improve openness, inclusivity, accountability, and transparency.

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Objective: Improve Effectiveness of ICANN's Multistakeholder Governance Model (I)

2.1 Support and grow active, informed, and effective stakeholder participation

Proposed Focused Engagement Areas/ Activity	Envisioned Outcomes	Examples of Outcomes
Support the APAC community during ICANN readouts and APAC Space	<ul style="list-style-type: none">• Established a network of stakeholders regularly participating in ICANN readouts and APAC Space• Meaningful stakeholder participation increases, either through being actively informed or by other demonstrable means such as participation in PDP working groups, taking on leadership positions or submitting public comments	<ul style="list-style-type: none">• Regular ICANN readouts and APAC Space held (list where and when)• Number of interested stakeholders part of the network• Number of contributions to public comments• Number of community members that participate regularly in ICANN policymaking and/or take on leadership roles
Develop a regional mentorship program	<ul style="list-style-type: none">• Established mechanism that enhances the knowledge and skill levels of ICANN regulars• Greater APAC representation in ICANN leadership roles	Number of mentees going on to participate in ICANN including taking up leadership positions

Objective: Improve Effectiveness of ICANN's Multistakeholder Governance Model (II)

2.1 Support and grow active, informed, and effective stakeholder participation

Proposed Focused Engagement Areas/ Activity	Envisioned Outcomes	Examples of Outcomes
Support regional and local Internet Governance (IG) fora	<ul style="list-style-type: none">Regional community is informed about how the Internet works, as well as ICANN and its role in the ecosystem amongst the wider APAC communityNewcomers participate in APAC regional network	<ul style="list-style-type: none">Opportunities to communicate to relevant stakeholders at regional and local IG foraNumber of newcomers joining the regional network
Develop youth leaders through the Asia Pacific Internet Governance Academy (APIGA)	ICANN newcomers demonstrate basic knowledge of the DNS as well as ICANN policy and advisory processes, and increase skill levels by continuing to participate in ICANN and other Internet Governance fora	Number of newcomers that continue to participate actively in the Internet Governance space, including the global Internet Governance Forum (IGF), ICANN, APNIC, the IETF, and APriGF E.g. 1 in 4 APIGA alumni continue to participate actively

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Community Discussion



Edmon Chung
APAC Space Community
Facilitator

Need more time to digest?

Comment online:

- Comment directly on [Community Wiki](#)

Additional Information

- See blog for examples: <https://www.icann.org/news/blog/feedback-needed-for-icann-asia-pacific-regional-plan-fy21-25>

AOB



ICANN Webinars of Interest

- 1. On Understanding DNS over HTTPS (DoH) and DNS over TLS (DoT) (Yesterday)**
 - Adiel Akplogan (Technical Engagement VP, Office of the CTO): Introduction and history, what DoT/DoH are, future standards, considerations and getting involved
- 2. Discussion on Revised ICANN Ops and Financial Plans (Later today)**
 - On ICANN's Revised Proposed for Adoption FY21-25 Operating and Financial Plan, and FY21 Operating Plan and Budget
 - Two webinars: 1500-1630 or 2300-0030 UTC. Please feel free to join either one (details in [ICANN announcement](#)).

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