

# ICANN APAC NEWSLETTER

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## Editor's foreword

As the APAC hub continues to grow and expand, our engagement and training activities have also multiplied. We received so many submissions for this issue but unfortunately if we published them all, this newsletter would stretch for a mile! So we apologise if your article is not published but please continue to send us your articles!

August saw a series of regional/country Internet Governance Forums taking place, in preparation for the Istanbul event in early September. We feature some of the highlights in this issue.

We are also pleased to profile the Registry Services team, giving you more insights to what they do and how they can support you. Do join them, either in person or via remote participation, this week at their Registry Roadshow Workshop in Tokyo.

As usual, we would love to hear from you on what you think of this newsletter, what you'd like to read and how you think we can further improve it. Drop us a line at [apachub@icann.org](mailto:apachub@icann.org).

Happy reading!

Liana & Philadel

## Event Highlights

### Asia Pacific Regional Internet Governance Forum (APrIGF) 2014

*Written by Jia-Rong Low*

As part of the Asia Pacific Community, we are proud to have participated at the **Asia Pacific Regional Internet Governance Forum (APrIGF)** held in Delhi from 3-6 August 2014. Kuek, Champika, Kelvin, and I (staff), and our Board members Kuo-wei Wu and Ram Mohan represented ICANN.



The APrIGF is *the* key regional forum on Internet Governance. As it was hosted in India this year, it was held concurrently with the South Asian Network Operators Group (SANOG) and drew a combined attendance of close to 400 participants. We would like to congratulate our local hosts ISPAI and NIXI for the successful hosting of the event!

Some highlights at the APrIGF include:

- **SANOG24.** We are very proud to be deeply involved, with Champika working with the SANOG team to be a speaker/instructor, covering various topics such as DNSSEC, network security/IPv6, as well as a collaboration event with APTLD and APNIC on a Justice Sector Workshop. Details of SANOG24 can be found [here](#).

- **Asia Pacific Internet Leaders' Programme (APILP).** The APILP is an initiative to help APAC community members better understand the global and regional Internet Governance (IG) issues, and to eventually lead discussions or form thought leadership on IG. Led by APILP Chair Ang Peng Hwa, an inaugural pilot run of the APILP was featured at the APriGF, covering various topics on IG by speakers from the community. Details can be found [here](#).
- **IANA Functions' Stewardship Discussion.** As you would know, the US Department of Commerce has announced its intention to transition its stewardship of the IANA functions to the global multi-stakeholder community. We from the Asia Pacific must contribute to this process. Based on feedback from the APAC community, we worked with the APriGF Multi-stakeholder Steering Group (MSG) to organise one of the two main Plenary Sessions on this topic. We would like to thank our co-Chairs Kuo-wei Wu, Izumi Aizu, Sivasubramanian M, Paul Wilson, and also Ram Mohan for leading a most lively and substantive discussion! The feedback and comments received have been recorded and will contribute to the ongoing global discussion.

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## PacNOG15

*Written by Save Vocea*

ICANN's SSR team, Dave Piscitello and Champika Wijayatunga and I participated at PacNOG 15 held in Port Vila, Vanuatu last month. I presented an ICANN update and also shared information and process to date on the IANA stewardship transition, calling for input from the Pacific islands technical community. Both Dave and Champika also ran a half day tutorial on DNS abuse and misuse and repeated a customised session for Vanuatu government regulator staff, customs and LEAs. We also took the opportunity to visit and discuss ICANN and general DNS/CERT issues with the Governments CIO office and local .vu ccTLD registry.



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## 2014 Korea Internet Governance Forum

*Written by Kang-Soo Song*

More than 40 participants gathered on 4 July to attend the Korea IGF that was hosted and organised by Korea Internet Governance Forum Organizing Committee. This group also participated in NETmundial and ICANN 50 meetings in London, and intends to play a leading role in Korea in response to Global Internet Governance Forum. The group will continue to discuss and make outreach plans for Internet related issues including human rights and ICANN to the local community in the coming years. Remote participation was also made available for participants unable to attend the forum.



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## 2nd Internet Governance Conference Japan

*Written by Kelvin Wong*

The second run of the Internet Governance Conference Japan (IGCJ) was held in conjunction with the Japan ICANN readout session on 19 August, attracting approximately 70 people from the Internet community. The formation of such a platform is certainly a commendable effort by JPNIC, as it aims to coalesce the community to think about global IG issues and national concerns. The meeting engaged in lively discussion on the future directions of the IGCJ platform, which should help in refining its focus and outcome it wants to achieve.

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## .Taipei Launch Signing Ceremony

*Written by Han Chuan Lee*

On 20 Aug 2014, the new gTLD **.taipei** was launched at the Taipei City Hall in Taiwan with the Registry Agreement signing ceremony between Mayor Hau Lung-bin and ICANN Board Member Kuo-Wei Wu. *“.taipei TLD is a milestone to strengthen the dynamic image of Taipei City and presents a unique opportunity for individuals, businesses and organisations to secure a web address for their geographical identity of Taipei,”* said Mayor Hau Lung-bin. Adding to that, Wu said, *“A city owning its own domain represents its freedom, progress and openness.”* Taipei City is the first city in Taiwan with a top-level domain and we look forward to innovative and creative uses of such top-level domains in the region.



Photo credit: Net-Chinese

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## .Bharat Launch in India

On 27 August, India launched .Bharat (the equivalent of .IN in Devanagari script) with His Excellency Ravi Shankar Prasad, Minister for Communications and IT and Minister for Law and Justice as the guest of honor.

Kuek attended the launch ceremony on behalf of ICANN. Besides congratulating the India team on leveraging the Internationalized Domain Names Program, he also highlighted the challenges ahead and that ICANN, NIXI and MCIT need to work together to ensure that .Bharat is a success.





Photo credit: National Internet Exchange of India

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## SANOG & MyNOG (South Asian & Malaysia Network Operators Group)

Written by Champika Wijayatunga

ICANN supported SANOG24 in India and MyNOG4 in Malaysia in August by contributing to their programs, content, providing trainer resources and sponsorships. During both these events, I was heavily involved as a speaker/instructor, covering various topics such as DNSSEC; Network Security/IPv6, SSR contents as well as conducting other collaborative capacity building activities with APNIC and APTLD.

Following are some of the key capacity building activities conducted during these events.

- DNSSEC Deployment for Decision Makers: To address non-technical decision makers and discuss about DNSSEC mechanism in very laymen terms.
- DNSSEC Tutorial: Targeted for operational personnel covering implementation aspects of DNSSEC.
- Network Security/IPv6 Workshop: a 5 day long technical workshop focusing various aspects of Security such as threats & mitigations, securing Internet Identifier Systems and usage of various Security tools and the application of best practices in the contexts of IPv4 and IPv6.
- Justice Sector Workshop: The workshop was a collaborative activity between APTLD, APNIC and ICANN and was attended by Law Enforcement, ccTLD, Regulators and Policy makers.

At MyNOG4, over 100 participants from various industry segments such as Network Operators, ISPs, Government institutions and Enterprise organisations participated. ICANN has been involved in stakeholder engagement activities in Malaysia in the recent past and ICANN's contribution to MyNOG4 event assured its continuous support to the Malaysian Internet community.



## ICANN Supports Law Enforcement Sector in APAC

*Written by Champika Wijayatunga*

In July, ICANN was involved in a capacity building roadshow for Law Enforcement (LE) sector covering a number of LE bodies in the region. ICANN APAC Hub was delighted to have Dave Piscitello, ICANN's VP for Security and ICT Coordination in the region to share his knowledge with both Singapore staff as well as the Internet community in the APAC. Together, we also visited four countries in the region covering topics related to Cyber Security, Cyber Investigations, DNS Abuse and Misuse handling. A total of over 150 attendees from 16 countries were present during these LE training sessions.

In addition to the capacity building activities conducted, ICANN staff held stakeholder engagements with Law Enforcement, Regulators, Governments, Regional Internet Registry, Technical and Operational communities. All these communities were very supportive of ICANN's engagement and expressed their keen interest to participate in future activities.

## Asian Domain Summit

*Written by Han Chuan Lee*

The Asian Domain Summit was held on 14 Aug 2014 at Raffles Hotel, Singapore. Well over 70 delegates turned up for the summit, representing registries, registrars, IP lawyers, resellers, web hosting providers in the region. One of the focus was on brands and rights protection. The organisers kindly invited me to present on the Rights Protection Mechanisms (RPMs) for new gTLDs. It was a great opportunity to meet businesses who are concerned about protections of their online identify and exchange ideas on how the RPMs have worked for them. Kuek also presented on the new gTLD program to the audience earlier in the day.

## Where else has ICANN APAC been?

The APAC office has been all over the region. Here are a few other events we attended in addition to those described above:

Dates	Events	Market
8-10 July 2014	7th APT Policy and Regulation Forum for Pacific	<i>Nadi, Fiji</i>
16 July 2014	GSMA-MCIT Myanmar Workshop	<i>Nay Pyi Taw, Myanmar</i>
18 July 2014	Indian Chamber of Commerce International Conference	<i>New Dehli, India</i>

3 August	Asia Pacific Internet Leadership Program (APILP)	<i>Dehli, India</i>
14 August	APAC Webinar – Introduction to Contractual Compliance	<i>Online Webinar</i>
15 August	APAN 38	<i>Nantou, Taiwan</i>
19 August	40th ICANN Readout Session	<i>Tokyo, Japan</i>
25-27 August	National Information Technology Conference	<i>Sri Lanka</i>
26-28 August	ICANN/CATR Joint Seminar at 2014 China Internet Conference	<i>Beijing, China</i>

## In the Spotlight

### Introducing the Registry Services Team



Top (L-R): Valerie Heng, Mert Saka, Krista Papac, Han Chuan Lee  
 Bottom (L-R): Fabien Betremieux, Dennis Chang, Avsegul Tekce, Ann Yamashita

Our Registry Services team is now 8 strong, and we are excited to increase our presence globally to better engage the registry community. Over the past 3 months, we've doubled our presence in Singapore and established a team in the Istanbul hub.

We recently released Version 2.1 of the Registry Operator Welcome Kit. This Kit serves as a tool to help new registry operators understand their Registry Agreement obligations and the ICANN onboarding process. Version 2.1 includes information covering ongoing Registry operations and the latest updates on Name Collision.

The ICANN Board New gTLD Program Committee (NGPC) adopted the Name Collision Occurrence Management Framework on 30 July 2014. Since then, ICANN has hosted 2 webinars for over 100 participants! The webinar offered an overview of the Framework and described Registry Operator requirements. For more information on Name Collision and to access recordings of the webinars, please visit <http://icann.org/namecollision>

We are excited to share the schedule for the upcoming Registry Roadshow. The Roadshow will be an interactive workshop that offers guidance and best practices for Registry Operators, Back-end Technical Operators and Agents of Registries. The Roadshow for the APAC region takes place in Tokyo 24-26 September 2014. For more information, visit <https://community.icann.org/display/RH/Registry+Roadshow+Workshops>

We appreciate hearing your feedback. To submit feedback, inquire about Registry Services or the Global Domains Division, please send a message to our Customer Service Center [customerservice@icann.org](mailto:customerservice@icann.org). We look forward to continued cooperation with the community!

## In Other Words...

### Update: The IANA Functions Infographic



ICANN released a new IANA Functions Infographic which explains how the core IANA functions allow users like you to access the Internet. The revised infographic incorporates feedback from the community. Our thanks to those who commented and submitted suggestions. Click here to download the new infographic.

**THE IANA FUNCTIONS**

For more information, visit [www.icann.org](http://www.icann.org) and follow @ICANN on Twitter.

The Internet depends on **unique identifiers**. When you want to visit a website, you type or paste the site's **domain name** into your browser, or click on an HTML link. That domain name is a "unique identifier."

That **domain name** is sent to a server which translates the name into a number – the Internet Protocol or **IP Address** – which the server uses to direct your request to the website's network location. This address is also a "unique identifier."

These "unique identifiers" are aligned with a standard set of **protocol parameters** that ensure computers can talk to and understand each other.

The **Internet Assigned Numbers Authority (IANA) functions**, which are managed by ICANN, play a role in ensuring you get to where you want to go by coordinating unique identifiers. The three core IANA functions are described below.

**The History**

The IANA functions were developed during the administration of the ARPANET, a U.S. - government- funded Department of Defense network.

Originally, just one person - Jon Postel - performed the functions. Since then, the Internet has grown tremendously and the IANA functions are now managed by ICANN.

**Stewardship in Transition**

To support and enhance the multistakeholder model of Internet policymaking and governance, NTIA announced its intent to transition its stewardship of the IANA functions to the global multistakeholder community. To learn more about this transition, visit: <https://www.icann.org/stewardship>.

**Acronyms**

ICANN: Internet Corporation for Assigned Names and Numbers  
 IETF: Internet Engineering Task Force  
 NTIA: National Telecommunications and Information Administration  
 DNS: Domain Name System  
 DNSSEC: Domain Name System Security Extensions  
 AS number: Autonomous System Number  
 TLD: Top-Level Domain

**NUMBER RESOURCES**

Number resources refers to the global coordination of the Internet Protocol addressing systems, commonly known as IP Addresses. There are two types in active use:

**IPv4**  
 192.0.2.53

**IPv6**  
 2001:db8:5b2::ae33

Autonomous System (AS) numbers are another part of this function. AS numbers are used to identify the networks that manage their own routing by connecting to multiple networks managed by other organizations.

The allocation of IP addresses and AS numbers to Regional Internet Registries (RIRs) is performed by ICANN according to global policies. The five RIRs, each of which services a defined region, use open, multi-stakeholder processes to reach consensus on the policies that ICANN implements when allocating number resources to the RIRs.

**PROTOCOL PARAMETERS**

The Protocol Parameters management function involves maintaining registries for many of the codes and numbers used in Internet protocols. This is done in coordination with the IETF.

These protocol parameters define how things like pictures, audio, or video are attached to e-mails, or embedded in web pages. For example, the protocol parameter for MP4 audio looks like this:

```
(RFC 4337 published March 2006, RFC 6381 published August 2011, subtype last updated August 2011)
MIME media type name: audio
MIME subtype name: mp4
Required parameters: none
Optional parameters: none
```

These protocol parameters aren't just limited to audio or video. Almost every activity carried out in making the Internet work has protocol parameters involved.

**DOMAIN NAMES**

Maintaining the Root Zone Database is a key IANA function. It contains the authoritative record of all the Top Level Domains (TLDs - the ".org" part of "icann.org"). Part of that function is processing routine updates for TLD operators (such as changes to nameservers, DNSSEC DNS records, or contact information for the operators), as well as adding new TLDs into the root of the DNS.

Root DNS Key Signing Key (KSK) management is also part of that function. The KSK enables DNSSEC, which is important to the security of the Internet root zone file.

**Root Zone Management Partners**

ICANN performs the IANA functions on behalf of the global Internet community under contract with the United States' Department of Commerce (DoC). NTIA, an agency of the DoC, verifies that ICANN followed established policies and procedures in processing changes before authorizing Verisign, the Root Zone Maintainer, to make edits and publish the authoritative root zone file.

Version 2.0 - August 11, 2014

## Registrar Services: Differences between Validation and Verification of Whois data

Registrars who have signed the 2013 Registrar Accreditation Agreement (RAA) are required to validate and verify the Registered Name Holder's (RNH) registration information per RAA's Whois Accuracy Program Specification. Because this must be done for every new domain registration, inbound transfer or change to registrant's information, we hope that these tips will be useful for 2013 RAA accredited registrars.

<b>Validation:</b> Ensure format of Whois data is consistent with standards	<b>Verification:</b> Confirm or correct accuracy of Whois data
<p>→ Registrar must perform validation within 15 calendar days of a/an:</p> <ul style="list-style-type: none"> <li>■ New registration</li> <li>■ Inbound transfer</li> <li>■ Change to the RNH</li> <li>■ Change to RNH or account holder contact data</li> </ul> <p>→ Required fields (RAA 3.3.1) must be completed and formatted properly</p> <p>→ Validate that the format of the data conforms to standards (links included):</p> <ul style="list-style-type: none"> <li>■ Email (RFC 5322)</li> <li>■ Telephone (ITU-T E.164)</li> <li>■ Postal Address Standard (UPU, S42, or other standard format for the applicable territory)</li> </ul>	<p>→ Registrar must verify RNH's email address or telephone number within 15 days of:</p> <ul style="list-style-type: none"> <li>■ New registration</li> <li>■ Inbound transfer</li> <li>■ Change to the RNH</li> <li>■ Change to RNH or account holder contact data</li> </ul> <p>→ Registrar must verify RNH's email address within 15 days of:</p> <ul style="list-style-type: none"> <li>■ Information suggesting Whois data is incorrect</li> </ul> <p>→ Affirmative response from RNH and account holder is required</p> <p>→ Non-response from RNH requires registrar to perform manual verification or suspension.</p> <p>→ Non-response from account holder only require manual verification</p>



# We Need You...

## GNSO Review 360 Assessment: Participate and be Heard!

The Generic Names Supporting Organization (GNSO) is responsible for developing and recommending to the ICANN Board substantive policies relating to generic top-level domains. The 360 Assessment is an easy-to-use online tool for the GNSO community, other ICANN structures and community members, the Board and staff to provide valuable feedback. The survey is available in 6 UN languages. Deadline is 17 October. Do take part! More details [here](#).

## Regional Engagement Calendar

Dates	Events	Market
2-5 September	Internet Governance Forum	<i>Istanbul, Turkey</i>
9-19 September	APNIC 38th Regional Meeting	<i>Brisbane, Australia</i>
10-12 September	WEF: Annual Meeting of the New Champions	<i>Tianjin, China</i>
10-12 September	12th Youth Congress on Information Technology	<i>Philippines</i>
17 September	GSMA	<i>Kuala Lumpur, Malaysia</i>
24-26 September	Registry Workshop Roadshow	<i>Tokyo, Japan</i>
1-3 October	2nd Interpol-Europol	<i>Singapore</i>
9 October	APAC Webinar: Introduction to Registrar Accreditation and Policy Updates	<i>Singapore</i>
12-16 October	ICANN51: Los Angeles	<i>Global</i>
20-31 October	ITU Plenipotentiary	<i>Busan, Korea</i>
27 October - 7 November	IP Academy Guangzhou IP Training Programme 2014	<i>Singapore</i>

For details on events, please refer to [this calendar](#) our website.

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