



Representing the ecosystem of Internet -Bharat Model

CCAOI Newsletter

May, 2017

### May 2017 At a Glance

The month of May witnessed the [wannacry ransomware cyber attack](#) which hit thousand of systems worldwide; Microsoft reiterating call for a [Digital Geneva Convention](#); [FCC proposing to reverse](#) the earlier 2015 decision and treat mobile internet differently; sanctions imposed on Facebook by data protection authority in [France](#) for data protection breach; Mr Sundar Pichai, CEO Google announcing [android being active on 2 billion devices](#). This month also witnessed the Advocate General of Court of Justice of the European Union (CJEU) stating that [Uber is a transport company](#) and that the company should be subject to the conditions under which non-resident carriers operate transport services within EU member states, with implications for taxi drivers and the benefits they would be entitled to as employees. However the court is yet to give their final opinion.

In terms of impact of Wannacry ransomware cyber attack in South Asia, while there were no reports of ransomware attack in Afghanistan, Bhutan, Nepal and Sri Lanka; in [Bangladesh there were reports](#) of two television channels, and 30 users' personal computers being on the attacked list; in [Pakistan, Twitter users reported](#) attacks on their Twitter accounts; in [India the ministry of power reported](#) that the ransomware was detected on computers used in billing centres at the Electricity Distribution Company. As a result, billing for 800,000 households was affected. Computers from two village panchayats in Kerala were also attacked. Dozen of companies and only 18 computers of 6000 from the police station were also affected.

From the Indian perspective, Zomato an online food discovery and delivery platform reported a [data breach](#) with records of 17 Million users being stolen; [India reported the highest usage](#) of whatsapp video calling with 50 million minutes per day; Department of Economic Affairs under Ministry of Finance, Government of India initiated public consultation on regulating virtual currencies, such as Bitcoin, Litecoin, and Zcash, through [MyGov portal](#) and amidst growing concern of security and privacy of Aadhar data, the government [issued safeguards for government websites to Aadhar data](#).

### GFCE Meeting 2017

The Global Forum on Cyber Expertise (GFCE) had their [annual meeting](#), between 31 May- 1 June, 2017, in Brussels. The meeting was attended by participants from over 75 countries, which includes, governments, international and private organisations. The objective of the meeting was to discuss the roadmap for Cyber Capacity Building (CCB) activities and especially to agree on a set of Global Good Practices to be made available for the global community and to discuss the CCB Agenda for the coming years.

India was represented at the meeting by Dr. Aruna Sundarajan, Secretary Ministry of Electronics and IT & Department of Telecom. During the meeting she announced that the Global Cyber Security Conference 2017 (GCSC 2017) will be held at New Delhi between 23-24 November.

### Internet Society Updates

The key highlights of May include:

- Internet Society along with Chatham House, held a special event entitled "[A Brave New World: How does the Internet impact societies](#)", on May 11, at the Chatham House building in London, UK. At the event, Stakeholders came together to discuss some of the most challenging questions relating to the impact of the Internet on society: will the Internet of the future be a force for social cohesion or will it contribute to the fragmentation of the public sphere. The first session was [video-streamed](#) in front of an audience, while the second session, which was a follow up of the first session was held under the Chatham House rule.
- The Internet Society APAC Bureau released a report on [Mapping Online Child Protection in Asia-Pacific](#). The study has been conducted over few countries of Asia Pacific region including India.
- The **India Delhi Chapter** meeting was held on 12 May, 2017. The meeting was attended not only by chapter members but also other India Chapter representatives remotely. During the meeting, Naveed Haq, Regional Development Manager, Asia-Pacific, Internet Society outlined the initiatives being planned to celebrate 25 years of the Internet Society; Rajesh Chharia, President Internet Service Providers Association of India and APNIC EC shared how members can participate in the upcoming SANOG XXX; and Dr. Ajay Data, CEO DataInfosys presented on universal acceptance on email services in Indian languages.

### Upcoming Event

- The Internet Society is celebrating its [25<sup>th</sup> Anniversary](#) this year and plans to commemorate this milestone, with several programs including [InterCommunity 2017](#) across chapters, on 19 September, for community dialogue on topics from the Internet Futures; brand **new Identity Toolkit** for Chapters, the **25 under 25 program; round table series** etc.
- As a follow-up to the discussion held on 11 May, the Internet Society will host a [Community Forum](#) for its members on 15 June, 2017, to address key questions around whether the Internet of the future will be a force that brings people together or divides us. It would be a 90-minute discussion moderated by Ms. Emily Taylor, Associate Fellow, Chatham House, and will feature several guest panelists, including: Dr. Ismail Syed Shah, Chairman, Pakistan Telecommunications Authority; Ms. Rebecca MacKinnon, Director of the Ranking Digital Rights project at New America and Ms. Sally Wentworth, Vice President of Global Policy Development, Internet Society.

### ICANN Updates

The month of May witnessed ICANN [hiring the First Consumer Safeguards Director](#) Bryan Schilling; ICANN publishing the details of their US Tax return ([Form 990](#)) for the Financial year 2016; [call for Volunteers](#) as Trusted Community Representatives (TCRs), who play a key role in managing the Root Zone Key Signing Key (KSK), the trust anchor for the global Domain Name System (DNS); release of the [Spanish and Portuguese](#) version of the Latin American and Caribbean (LAC) Domain Name System (DNS) Marketplace Study. Further ICANN Board [approved](#) amendments to ICANN's Fundamental Bylaws to move the Board Governance Committee's reconsideration responsibilities to another Board Committee and ICANN has sent a [notice](#) to the Empowered Community. To facilitate the Empowered Community's work in a transparent manner, ICANN has also launched three new websites. The primary [Empowered Community page](#) includes information about the purpose and scope of this new community structure. It also includes procedural details and timelines for executing a community power, and current news on any power being exercised, such as consideration of the [Board's Approval of a Fundamental Bylaw Change](#). ICANN has also created pages for the [Empowered](#)

[Community Administration](#) and [correspondence related to the Empowered Community](#). Further, the independent examiner ITEMS International, [issued the Final Report on Review of the At-Large Organization](#), offering 16 recommendations which reflects the needs of the At-Large community and for which there is sufficient community consensus. There were some cases where agreement with the current At-Large leadership was not reached, but which Reviewers strongly believe need to be implemented in the interests of the At-Large community and the ICANN organization as a whole.

The other, key initiatives and developments related to ICANN from the month of May include,

**ICANN Accountability related:**

- ICANN [seeking volunteers](#) for the [third review of ICANN Accountability and Transparency](#) till 2 June, 2017.
- Comments being sought by the Cross Community Working Group on Enhancing ICANN Accountability Work Stream 2 (CCWG-Accountability, WS2) on the [draft Framework of Interpretation for Human Rights](#). The last day to comment is 16 June 2017

**Policy related:**

- Comments are being sought on the issues [Report on ccNSO PDP Retirement and Review Mechanism](#), till 10 July, 2017. The ccNSO Council had initiated the third ccNSO Policy Development Process (PDP) during ICANN58 and as part of the launching process feed-back, comment and input is sought on the issues as defined in the Issues Report. Post the comment period, the inputs would be collated by the ccNSO PDP Issue Manager in a Comments Report and then provided to the ccNSO PDP Working Group (WG) on the retirement of ccTLDs and – later – to the ccNSO PDP WG to develop a review mechanism pertaining to delegation, transfer, revocation and retirement decisions.
- The Global Domains Division is seeking [comments](#) on the proposed implementation of consensus policy [recommendations](#) governing the protection of identifiers for International Governmental Organizations (IGOs) and International Non-Governmental Organizations (INGOs) in all generic Top Level Domains (gTLDs), till 10 July, 2017. Specifically, this proposed implementation is limited to those Consensus Policy recommendations which include protection at the top- and second-level for certain specific names of the Red Cross/Red Crescent Movement (RCRC), the International Olympic Committee (IOC), certain IGOs, and INGOs adopted by the ICANN Board, which were not inconsistent with the Governmental Advisory Committee (GAC) advice on the topic. This implementation does not address Red Cross or IGO acronyms, which are under discussion by the ICANN Board, the GAC, and the Generic Names Supporting Organization (GNSO).
- The Latin Script Community has formed the [Generation Panel](#) for Developing the Root Zone Label Generation Rules (LGR) for the Latin script. With composition and work plan approved, the Latin script Generation Panel will start its work on the label generation rules. Currently LGR efforts are underway by Chinese, Cyrillic, Greek, Japanese, Korean, Latin and Neo-Brahmi communities. In addition, the Arabic, Armenian, Ethiopic, Georgian, Khmer, Lao and Thai script communities have finalized their root zone LGR proposals, of which the Arabic script proposal has been integrated in the first edition of the Root Zone LGR.
- ICANN is seeking comments on the "[Revised ICANN Procedure](#) for Handling Whois Conflicts with Privacy Law: Assessment and Next Steps. The last date to comment is 12 June, 2017

## Capacity building & outreach related:

- ICANN organized an [informational webinar](#) on 16 May 2017, for ICANN59. This included information on logistics, accommodations and travel. Being a policy meeting, there would not be any official opening ceremony or public forums, but networking receptions will be held each night. Individual and joint sessions of the Supporting Organizations and Advisory Committees will be held in the morning, while afternoons will feature cross-community sessions exploring a variety of topics, including ongoing policy development efforts.
- [ICANN supported](#) the [Africa Internet Summit](#) (AIS) organized by the Internet Numbers Registry for Africa (AFRINIC) and the African Network Operators Group (AfNOG) held from 21 May to 2 June in Nairobi, Kenya. The summit had a series of seminars, workshops, tutorials and panels.
- [The Fourth Middle East Domain Name System \(DNS\) Forum](#), took place in Cairo, Egypt on 22 and 23 May. Hosted by National Telecom Regulatory Authority (NTRA) of Egypt, the theme was "Strengthening Digital Presence in the Middle East".
- [Applications are invited](#) to the NextGen@ICANN Program for ICANN60, to be held in Abu Dhabi. Last date to apply is 23 June, 2017.
- The APAC Hub of ICANN organized APAC Space Web Conference on 18 May, 2017. The results of APAC Space Survey details and results were shared during the call, along with a discussion on the suggested approaches for APAC Space topic calendar, Rotation of APAC Space topics, Suggested topics for Domain Name Industry: Market and Relevant Policies and Enabling users in under-served regions

## Upcoming events:

- The [Pre-ICANN59 Policy Update Webinar](#) will be held on 13 June, 2017. The purpose of the webinar is to summarize policy activities across the ICANN policy development, community and to brief the community on the Empowered Community consultation and cross-community sessions taking place in Johannesburg. [Registration](#) is required to attend the webinar.

## APNIC Highlights

Few APNIC related initiatives have been highlighted in this section.

- APNIC hosted a two-day [Member Gathering in Guangzhou](#), China, which was attended by over 30 APNIC members. APNIC staff Guangliang Pan, Zen Ng and Rebecca Shi, and APNIC EC member Jessica Shen participated in the event. Apart from presentation on IPv4 exhaustion, IPv4 transfers, IPv6 deployment and RIPE Atlas project, the APNIC survey details were shared, along with discussion related to APNIC Services, Whois data quality improvements, routing security and RPKI and other requirements of members.
- APNIC Academy has [launched an online learning portal](#) for building knowledge and skills of network operators, managers, educators, and regulators by helping them understand and manage Internet resources and use appropriate Internet technologies and techniques. **The first course now available is 'Introduction to Cybersecurity'**. The course is free of cost and only needs [registration](#).
- The upcoming APNIC courses can be viewed from this [link](#)

- **APNIC invites papers from the technical community** of the APAC region, for sharing presentations relevant to Internet operations and technologies, on topics such as IP core network routing, switching and operations; Software defined networking, network automation and network function virtualization; IPv6 deployment and transition technologies; Network security issues (NSP-SEC, DDoS, Anti-Spam, Anti-Malware) and BCPs; IXPs and Peering; Smart Cities network architecture, security, and addressing; Research on Internet operations and deployment. Last date for submission is 14 July, 2017. For more details visit this [link](#).
- **[Fellowship for APNIC44](#) is now open.** Last date to submit applications is 7 July, 2017. Selected fellows will have the opportunity to learn from Internet experts, build their network of contacts, and play a part in shaping how APNIC manages resources through the APNIC Policy Development Process (PDP).
- APNIC will deliver a **[three-day Internet Resource Management and Network Security workshop](#)** from 24 to 26 July 2017, in Honiara, Solomon Islands. [Registration](#) for event ends on 3 July, 2017.
- APNIC will conduct a five-day **Internet Resource Management, IPv6 and Network Security workshop** from 21 to 25 August 2017, in South Tarawa, Kiribati. The topics will include IPV6, network security fundamentals and an introduction to APNIC. [Registration](#) is currently open.

## TRAI Updates

This month marked by the submission of responses to the consultation papers: [Consultation Paper on Regulatory Principles of Tariff Assessment](#) (53 submissions), and [Introduction of UL \(VNO\) for Access Service authorization for category B license with districts of a State as a service area](#) (18 submissions); two open house discussions in Mumbai on 26 May on 1) [Quality of Service \(QoS\) Spectrum, Roaming and QoS related requirements in Machine-to-Machine \(M2M\) Communications](#) and 2) [Net Neutrality](#) and the release of the consultation Paper on [Network testing before commercial launch of services](#) where [comments can be submitted](#) by 12 June, 2017 and counter comments by 26 June, 2017.

The broadband subscribers base was [reported](#) to have grown to 276.52 million, out of which 258.28 are wireless subscribers.

For subscriber verification, the regulator issued a recommendation to the Department of Telecommunication(DOT) for the [adoption of Aadhar based eKYC verification](#) for subscribers of fixedline, internet and broadband users, based on the request received from Internet Service Providers Association (ISPAI). It may be mentioned that, Aadhar based eKYC verification for mobile subscribers has already been recommended by DOT for mobile subscribers, based on the Supreme court ruling for 100% eKYC re-verification of all existing subscribers.

Additionally, TRAI also issued a [directive](#) to all access service providers to ensure that not discriminatory tariffs are provided between subscribers of same class and all tariffs are offered to customers is reported to the authority as per the reporting framework.

### Upcoming Open House Discussion (OHD)

An open house discussion on [Review of Interconnection Usage Charges](#) would be held on 15 June, 2017 at Mirza Ghalib Chamber, SCOPE Convention Centre, SCOPE Complex, Gate No.18, 7, Lodhi Road, New Delhi-110003 at 9:30am.



## Other Highlights

### Reports:

- The **Mary Meeker Internet Trends 2017** reports that Smartphone sales and Internet penetration growth are both slowing. While desktop usage has not declined much, mobile usage has skyrocketed to over three hours per day per person in the US. Google and Facebook control 85% of online ad growth. The report predicts Internet ad spend will surpass TV spend within six months; streaming music is surpassing physical music sales; eSports is growing, with viewing time up 40% year over year; there has been a growth in Email spam with malicious attachments. Tech companies are driving wealth creation in China, where people pay for livestreaming, and bike sharing usage is skyrocketing. In India, falling data costs are driving increasing Internet adoption in India, but smartphone prices remain too high.

### Events

- The International Telecommunication Union (ITU) and GSMA organized the **3rd Asia-Pacific Digital Societies Policy Forum 2017** in Bangkok, Thailand between 8-10 May 2017. Over 160 participants from 20 nations, representing industry, academia, regulators and policy makers participated in this forum. The forum had three sessions on developing digital societies: (1) Enabling a hyper-connected society — policy drivers and connectivity; (2) Business and government drivers for digitization; and (3) Building our digital environment — smart cities and developments.
- The two day **Pacific IGF** (PacIGF) was held on 17–18 May 2017, in Port Vila, Vanuatu. The event was supported by many stakeholders in the Pacific as well as PiRRC, USP, PICISOC, ICANN, Internet Society, Internet NZ, IGF Support Association, and APNIC.
- **Municipalika + CAPEX 2017**, 14<sup>th</sup> International Conference and Exhibition on Smart City Solutions is being organized in Navi Mumbai, Maharashtra from 18 - 20 of May 2017.
- The International Mobile Technology Expo is from 19 - 20 May 2017, Mumbai, India.
- A Face to Face(F2F) meeting of **Neo-Brahmi Generation Panel** (NBGP) was held in Kathmandu, Nepal from 23-27 May 2017. The objective of the meeting included outreach and capacity building program for NBGP members so that Lable Generation Work may proceed forward for Devanagari and other Indic scripts. Some of the key decisions taken during the meeting include, NBGP to submit the script specific LGR proposals once ready, without waiting for other script proposals; work on Cross-script variant analysis to be taken on priority; request ICANN to include NBGP Members in the “String similarity assessment panel”; hold fortnightly calls to speed up the process of generation of LGR and a readout session of the event in India. The meeting was attended by 22 participants which included Nepali Devanagari community along with representatives of IT ministry of Nepal Government, ICANN, Co Chairs of NBGP, CDAC, NIXI, IAMAI and other members of the NBGP panel.

## Other Upcoming Events and Opportunities

### Events

- **EuroDIG 2017** will be held at Talinn, Estonia from 6 to 7 June 2017.
- The Second Open Consultations on IGF 2017 and MAG meeting will be held in Geneva between 12 to 14 June, 2017.

- The WSIS Forum 2017 will be held at Geneva from 12 to 16 June 2017.
- [Taiwan Internet Governance Forum](#) (TWIGF) will hold its annual meeting at the GIS NTU Convention Center in Taipei on 17 June 2017.
- ICANN59 will be held in Johannesburg, South Africa from 26-29 June 2017.
- DSCI is organizing the [best practices meet 2017](#), on 22 - 23 June 2017, at ITC Gardenia Bengaluru.
- [SANOG XXX](#) will be held in Hotel Ramada Central Gurgaon, India between 10 - 18 July 2017
- The [Asia Pacific School of Internet Governance \(APSIG\) 2017](#) will be held from 22-26 July 2017 at Sukosol Hotel, Bangkok. For more details visit [here](#).
- [Asia Pacific Regional Internet Governance Forum \(APrIGF\) 2017](#) will be held at Chulalongkorn University, Bangkok from 26 - 29 July 2017.
- The first [Taiwan Peering Forum](#) (TPF 2017) would be held on 7 August, 2017.
- The third [Pakistan School on Internet Governance](#) (pkSIG 2017) will be held between 16-19 August, 2017 at Peshawar.
- [India Mobile Congress](#) will be held between 27-29 September, 2017 at Pragati Maidan New Delhi.
- India to host Global Cyber Security Conference 2017 (GCSC 2017) between 23-24 November at New Delhi

### Opportunities

- The **NUPRI Research Group at University of São Paulo (USP)** is [seeking proposal](#) for preparing a new publication on Internet Governance in the Global South. Last date of submission is 15 June 2017.
- The **IGF Secretariat** is accepting **requests to hold [Open Forums](#) at IGF 2017**. Last date for submissions is 21 June 2017.
- Applications are invited till 20 June 2017, for the third [Pakistan School of Internet Governance](#).
- **Dynamic Coalition on Community Connectivity (DC3)** is [inviting position papers](#) for analysing the issues of connectivity and community networking, with particular regard to existing CN experiences. The last date for submissions is 30 June 2017.
- There is a [call for presentations](#), on relevant to Internet operations and technologies for **APNIC 44 Conference**. The first round paper acceptance is by 14 June 2017 and final deadline for submission is 14 July, 2017.
- The High Commissioner for Human Rights on is calling form inputs on "[Civil society space in multilateral institutions](#)" till 30 September 2017.

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