NRO update

To be the flagship and global leader for collaborative Internet number resource management as a central element of an open, stable and secure Internet

ARIN 38, October 21st 2016
Dallas, TX, USA
Presentation Summary

• NRO Introduction
  – What is the NRO
  – Key Focus Areas
  – NRO in 2015 & Finance

• NRO Activities
  – NRO Global Information
  – RIR Accountability
  – IANA Stewardship Transition
  – Internet Governance Forum
What is the NRO?

• Number Resource Organization
  – Lightweight, unincorporated association.

• Mission
  – Provide and promote a coordinated Internet number registry system;
  – Promote the multi-stakeholder model and bottom-up policy development process in Internet governance;
  – Coordinate and support joint activities of the RIRs;
  – Act as a focal point for input into the RIR system;
  – Fulfill the role of the ICANN Address Supporting Organisation (ASO).
• Support RIR coordination.
• Global collaboration and governance coordination.
• Monitor and contribute to global Internet governance discussions.
NRO in 2016

• Executive committee
  – Oscar Robles (Chair) – LACNIC
  – John Curran (Secretary) – ARIN
  – Paul Wilson (Treasurer) – APNIC
  – Alan Barrett – AFRINIC
  – Axel Pawlik – RIPE NCC

• Secretariat
  – Hosted by ARIN
  – Executive Secretary: German Valdez (since April 2013)

• Coordination Groups
  – CCG (Communications), ECG (Engineering), RSCG (Registration Services).
NRO Finances

• Expenses
  – Travel (ASO AC Chair and Executive Sec).
  – Communications (Webex), NRO CG coordination (Meeting room) and outreach (IGF, ICANN, etc).
  – IGF Contribution
  – Contribution to ICANN.
    • $823,000 for 2015-2016 FY
    • 2016 – 2017 FY contribution to be determined by the new SLA with ICANN
  – Staff cost (Executive Secretary)

• Budget
  – Shared proportionally based on registration services revenue.

• Joint RIR Stability Fund
  – to help ensure reliable operation of the Internet’s IP address management system globally in case of disruptions or emergencies.
  – Pledges for over 2.1 million US Dollars
  – https://www.nro.net/joint-rir-stability-fund
NRO Global Information

• Internet Number Status Report
  – Updated quarterly.
  – Global stats on IPv4, IPv6, ASN
  – https://www.nro.net/statistics

• Comparative Policy Overview
  – Updated quarterly
  – New information on RIRs membership policy (access to delegation and registration services)
  – https://www.nro.net/comparative-policy
RIRs Accountability

• Governance Matrix
  – Overview of the governance frameworks of the RIRs.
  – Information on Bylaws, Regional PDP, Dispute Resolutions, Use of Whois, Privacy issues, Budget, Activity planning etc.
  – [https://www.nro.net/governance-matrix](https://www.nro.net/governance-matrix)
  – Ongoing process to improve RIR accountability mechanisms

• RIR Accountability Q&A
  – [https://www.nro.net/rir-accountability](https://www.nro.net/rir-accountability)

• Joint RIR Independent Accountability Review
  – Independent review currently in process in all RIRs.
  – Results will be made public
IANA Transition

- IANA Stewardship Transition – Number Community Proposal
  - Support of Consolidated RIR IANA Stewardship Proposal (CRISP) Team to drive Internet Number Community consultation process
  - Meetings records, charter, members
    - http://www.nro.net/crisp-team
  - Community Proposal submitted to ICG
    - http://www.nro.net/crisp-final-proposal
  - SLA development discussions in the RIR
    - http://www.nro.net/sla-development
  - NRO Comments to ICG proposal
    - http://www.nro.net/nro-comments-icg-proposal
  - IANA Numbering Services Review Committee Charter defined and created
    - https://www.nro.net/news/iana-numbering-services-review-committee-committee-composition
IANA Transition

- **RIR - IANA Service Level Agreement**
  - Fully based and in compliance with CRISP proposal.
  - Final version signed during ICANN 56 in Helsinki and since October 1\(^{st}\) 2016 in effect
    - [http://www.nro.net/sla](http://www.nro.net/sla)
IANA Transition

• CCWG on ICANN Accountability
  – Active participation through numbers community representatives on enhancing ICANN’s Accountability
  • Appointment of RIR staff and Numbers Community members.
    – Izumi Okutani (APNIC Region)
    – Athina Fragkouli (RIPE NCC Staff)
    – Fiona Asonga (AFRINIC Region)
    – Jorge Villa (LACNIC Region)
  – Important component of the IANA transition process. Currently discussing accountability improvements in ICANN after-transition period.
IANA Transition

• **Review Committee**
  - Key element of the Internet Number Community Proposal, to ensure that the IANA Numbering Services Operator maintains the service level defined in the SLA.

  **AFRINIC**
  - Fiona Asonga, Douglas Onyango – community representatives
  - Madhvi Gokool – staff representative

  **APNIC**
  - Dr Ajay Kumar, Tomohiro Fujisaki – community representatives
  - George Kuo – staff representative

  **ARIN**
  - Louie Lee, Jason Schiller – community representatives
  - Nate Davis – staff representative

  **LACNIC**
  - Nicolas Antoniello, Edmundo Cazares – community representatives
  - Ernesto Majó – staff representative

  **RIPE NCC**
  - Filiz Yilmaz, Nurani Nimpuno – community representatives
  - Andrew de la Haye – staff representative

  - More Info:
    - [https://www.nro.net/iana-numbering-services-review-committee](https://www.nro.net/iana-numbering-services-review-committee)
  - Review Committee Charter:
IANA Transition

• **Intellectual Property Rights**
  – The Proposal to Transition the Stewardship of IANA Functions to the Community included a requirement for certain IANA IPR to be transferred from ICANN to an independent entity. The IPR consists of trademarks and domain names.
  – The IETF Trust agreed to hold the IANA IPR.
  – The IANA Community Coordination Group (CCG) provides guidance, advice, and if expressly specified in the IPR agreement, approvals, to the IETF Trust regarding the stewardship of the IANA IPR.
  – The CCG is comprised of nine (9) individuals, three (3) appointed by each of the Operational Communities.
  – The NRO EC agreed that the NRO officeholders rotating each year would be appointed to the CCG.
    • Chair – Oscar Robles (CCG Co-chair)
    • Secretary – John Curran
    • Treasurer – Paul Wilson
RIR Legal Team

- The NRO would like to thank the RIR legal team for their hard work and dedication during the long process of the IANA Stewardship Transition for the benefit of the Global Number Community

- Ashok Radhakissoon (AFRINIC)
- Craig Ng (APNIC)
- Michael Abejuela (ARIN)
- Eduardo Jimenez (LACNIC)
- Athina Fragkouli (RIPE NCC)
Participation in the 10th IGF in Brazil

- NRO supports annually to the IGF - 100K USD.
- NRO Booth
  - NRO Brochure Cooperation
  - IPv6 Around the World
- Two NRO Workshops (including IPv6 deployment) and RIR Open Forum
- Support of IPv6 Best Practice Forum
Thank You

• http://www.nro.net