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

October 2017
RIPE 75
Dubai, UAE
What is the NRO?

- Number Resource Organization
  - NRO MoU, 24 Oct 2003
- Mission
  - Coordinating the RIR system and joint RIR activities
  - Promote the multi-stakeholder model and bottom-up policy development
  - Fulfill the role of the ICANN ASO
- [http://www.nro.net](http://www.nro.net)
Structure (2017)

- **Executive committee**
  - John Curran (Chair) - ARIN
  - Paul Wilson (Vice Chair and Secretary) - APNIC
  - Alan Barrett (Treasurer) - AFRINIC
  - Axel Pawlik - RIPE NCC
  - Oscar Robles - LACNIC

- **Secretariat**
  - Hosted by APNIC
  - Executive Secretary: German Valdez
  - Consultant: **Susannah Gray**

- **Coordination Groups**
  - CCG (Communications), ECG (Engineering), RSCG (Registration Services)
Publications

- Internet Number Status Report
  - Updated quarterly.
  - Global stats on IPv4, IPv6, ASN
  - [http://www.nro.net/statistics](http://www.nro.net/statistics)

- Comparative Policy Overview
  - Updated quarterly
  - New information on RIRs membership policy (access to delegation and registration services)
  - [http://www.nro.net/comparative-policy](http://www.nro.net/comparative-policy)

- Address Supporting Organization
  - [http://aso.icann.org](http://aso.icann.org)
Finances 2016

• Budget allocations
  – AFRINIC 7.10%
  – APNIC 23.60%
  – ARIN 29.70%
  – LACNIC 10.44%
  – RIPE NCC 29.16%

• Expenses
  – General operations: USD $331,577
    • Travel, meetings, communications, secretary
    • IGF Contributions $100,000
  – Contribution to ICANN: USD $823,000

• Stability Fund
  – Joint RIR provision/pledge of over USD $2.1M
  – https://www.nro.net/joint-rir-stability-fund
IANA Transition

• RIR-IANA SLA
  – Fully based and in compliance with IANA Stewardship Transition Plan
  – Signed during ICANN 56 in Helsinki and effective from 1 October 2016
    • http://www.nro.net/sla

• IANA Numbering Services Review Committee (IANA RC)
  – 3 members from each region
  – 2 community elected members, 1 RIR staff rep
  – Public archives and minutes
    • https://www.nro.net/iana-numbering-services-review-committee/
Review Committee (2017)

- **AFRINIC**
  - Omo Oaiya, Douglas Onyango (AC)
  - Madhvi Gokool (staff)

- **APNIC**
  - Brajesh Jain, Tomohiro Fujisaki (AC)
  - George Kuo (staff)

- **ARIN**
  - Louie Lee, Jason Schiller (AC)
  - Nate Davis (staff)

- **LACNIC**
  - Nicolas Antoniello, Edmundo Cazares (AC)
  - Ernesto Majó (staff)

- **RIPE NCC**
  - Filiz Yilmaz, Nurani Nimpuno (AC)
  - Andrew de la Haye (staff)
ICANN Accountability

- CCWG: “Cross Community Working Group” on Accountability
- Numbers community representatives
  - Izumi Okutani (APNIC Region)
  - Athina Fragkouli (RIPE NCC Staff)
  - Fiona Asonga (AFRINIC Region)
  - Jorge Villa (LACNIC Region)
  - Michael Abejuela (ARIN Staff)
- Now working on “Workstream 2”
  - Accountability improvements after IANA stewardship transition
ICANN Empowered Community

- NRO EC adopted ASO interim empowered community procedures.
  - ASO Procedure for Empowered Community Approval Actions
  - ASO Procedure for Empowered Community Rejection Actions
  - ASO Procedure for Director Removal Actions
  - ASO Standard Practices for Empowered Community Activities
RIR Accountability

- Governance Matrix
  - Summary of RIR governance mechanisms
    - Bylaws, PDP, Dispute Resolution, Data protection, Budget, Planning etc.
    - https://www.nro.net/governance-matrix

- Accountability FAQ
  - https://www.nro.net/rir-accountability

- Independent Accountability Assessment
  - Independent review of all RIRs
ASO Review

• ASO MoU…
  – “the NRO shall provide a periodic review of the ASO’s effectiveness within ICANN”

• 1st review conducted in 2011

• 2nd review: CFP launched late 2016
  – Awarded to ITEMS International

• Timetable
  – Consultation in all RIR meetings and ICANN meetings
  – Draft report presented in ICANN 59
  – Final report published 8 August 2017
    • https://www.nro.net/aso-review-2017

• RIR community consultation for the implementation of the recommendations.
Technical Projects

• RPKI Services for all resources by 30 September 2017.
  – https://www.nro.net/regional-internet-registries-are-preparing-to-deploy-all-resources-rpki-service/

• IANA/PTI reporting requirements. Part of IANA SLA.

• Identifier Technology Health Indicators (ITHI) Consultation:
  – 90 day consultation in all RIR communities.
  – https://www.nro.net/ithi-consultation

• NRO Website Revamp.
Thank You

http://www.nro.net