

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 ARIN 40 San Jose, CA



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



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



NRO 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



NRO 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
 - https://www.nro.net/regional-internetregistry-accountability-assessment-reports/



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-internetregistries-are-preparing-to-deploy-allresources-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