



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***

3 March 2017
APNIC 43,
Ho Chi Minh City

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 (Secretary) - APNIC
 - Alan Barrett (Treasurer) - AFRINIC
 - Axel Pawlik - RIPE NCC
 - Oscar Robles - LACNIC
- Secretariat
 - Hosted by APNIC
 - Executive Secretary: German Valdez
- 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 Organisation
 - <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
 - Contributions incl ICANN \$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>
- SLA Review Committee
 - 3 members from each region
 - 2 as elected AC members, 1 staff rep



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

RIRs 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-internet-registry-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 started during APNIC 43
 - Draft report due by ICANN 59
 - Final report due 31 July 2017
- <http://aso.icann.org>



Thank You

<http://www.nro.net>