



NRO update

John Curran
Chair
NRO Executive Council

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Number Resource Organization



What is the NRO?

- Number Resource Organization
 - Vehicle for RIR cooperation and representation
 - Lightweight, unincorporated association
 - NRO MoU, 24 Oct 2003
- Why?
 - Protect the unallocated Number Resource pool
 - Promote and protect the bottom-up policy development process
 - Act as a focal point for Internet community input into the RIR system
 - And: Fulfil the role of the ICANN Address Supporting Organisation (ASO)

NRO structure

- Executive committee
 - 1 appointed representative from each RIR, plus RIR board and staff observers
 - 3 officeholder positions, rotating annually
 - Decisions by unanimous EC agreement
- Secretariat
 - Rotating with NRO Secretary position
- Coordination Groups
 - Engineering (ECG), Communications (CCG), Public Affairs (PACG) and Registration Services Managers (RSM)

NRO in 2012

- Executive committee
 - AfriNIC: Adiel Akplogan (Treasurer)
 - APNIC: Paul Wilson (Secretary)
 - ARIN: John Curran (Chair)
 - LACNIC: Raul Echeberria
 - RIPE NCC: Axel Pawlik
- Secretariat
 - Hosted by APNIC

ASO: What is it?

- Address Supporting Organisation
 - ASO MoU, 21 October 2004
- Recognised under the ICANN Bylaws to:
 - Oversee global number resource policy work
 - Appoint 2 Directors to the ICANN Board
 - Appoint representatives to serve on various ICANN bodies as needed: (e.g. NomCom)
 - Advise ICANN Board on number resource matters
- ASO Address Council
 - 15 individuals, 3 per RIR region

ASO: AC in 2012

AfriNIC	Fiona Asonga
	Alan Barrett* (Vice-chair)
	Douglas Onyango
APNIC	Naresh Ajwani
	Tomohiro Fujisaki
	Andy Linton*
ARIN	Louis Lee (Chair)
	Jason Schiller
	Ron da Silva*
LACNIC	Sebastián Bellagamba
	Hartmut Glaser*
	Alejandro Guzman
RIPE NCC	Hans Petter Holen
	Dave Wilson (Vice-chair)
	Wilfried Woeber*

*Appointed by RIR Board



ASO Funding to ICANN

- NRO expenses distribution
 - Weighted formula based on revenue and total number of resources allocated:
 - AFRINIC (4.14%)
 - APNIC (37.50%)
 - ARIN (18.17%)
 - LACNIC (6.86%)
 - RIPE (33.45%)
- NRO contribution to ICANN
 - The NRO remains committed to a yearly contribution of \$823,000

ASO Review

- Request for Proposal
 - ITEMS International, a Paris-based consultancy firm specialized in strategic consulting in the areas of telecommunications and the Internet
- Aims
 - Assess how well the ASO performs within the ICANN system
 - Determine whether any change in its structure or operations is desirable
- Conducted between July and December 2011
 - Global survey
 - Individual interviews at ICANN and RIR meetings

ASO Review

- ASO Review Report
 - Published 14 March 2012
 - aso.icann.org/news/aso-review-report-published
 - ICANN Public Comment Period
- Joint NRO / ASO AC response
 - Published 3 May 2012
 - Response to 26 Report Recommendations
 - + 1 Public Comment
 - nro.net/news/review-response-2012
- Next: report, comments, and response go to
 - Structural Review Committee
 - ICANN Board

New Global Policy

- GPP-IPv4-2011
 - Global Policy Proposal for Post Exhaustion IPv4 Allocation Mechanisms by IANA
- Describes how IANA will re-allocate returned IPv4 resources
- Ratified by ICANN Board: 15 May 2012
- Resources returned by two RIRs
 - RIPE
 - ARIN



NRO

Internet Governance Forum

- Multistakeholder Advisory Group (MAG)
 - NRO members on technical community slate
 - Raul Echeberria, Paul Rendek, Paul Wilson
- 7th IGF Meeting
 - When: 6 to 9 November 2012
 - Where: Baku, Azerbaijan
 - NRO has doubled its annual contribution to 75,000 USD
 - Proposed workshops
 - Moving to IPv6: Challenges for Internet Governance
 - Certifying Internet Number Resources: Internet Governance and RPKI



Internet Governance cont.

- CSTD Working Group on IGF Improvements
 - Commission on Science and Technology for Development
 - 2 technical community appointments
 - Sam Dickinson and Oscar Robles
 - Report: <http://www.unctad.info/en/CstdWG/>
- OECD & the NRO
 - Founding member of the Internet Technical Advisory Committee (ITAC)
 - Forums including the Working Party on Communications Infrastructure and Service Policy (CISP)

2012 Correspondence

- World Telecommunications Policy Forum (WTPF)
 - Letter to ITU Secretary General
 - Nominating members to WTPF Expert Group Paul Wilson and Cathy Handley (ARIN)
 - Letter to Chair of WTPF Expert Group in response to ITU Secretary General report on WTPF
 - Encouraging the ITU Secretariat to continue opening its conferences to all stakeholders.
- IPv6 Outreach
 - Letter to ITU Secretary General to open discussions on IPv6 capacity building initiatives.
- IANA Functions Contract to ICANN
 - NRO positively notes the decision by US DoC
- See <http://www.nro.net/documents>

Other developments

- Establishment of “PACG”, Public Affairs Coordination Group
 - Coordination and information sharing in WCIT regional processes.
- Liaison/coordination with “I*” group
- Fourth Global IPv6 Deployment Monitoring Survey
- RPKI project planning
 - Technical coordination
 - ICANN liaison
- Legacy IPv4 space
 - Further review of unused legacy space



Thank You

<http://www.nro.net>

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