



NRO update

Paul Wilson
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 input into the RIR system
 - Fulfill 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 2013

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

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 2013

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

*Appointed by RIR Board



NRO Funding to ICANN

- NRO expenses distribution
 - Weighted formula based on revenue and total IPv4 resources allocated
 - AFRINIC (4.14%)
 - APNIC (37.50%)
 - ARIN (18.17%)
 - LACNIC (6.86%)
 - RIPE (33.45%)
- Voluntary Contribution
 - The NRO remains committed to a yearly contribution of \$823,000

ASO Review

- Conducted July to December 2011
- Report published 14 March 2012
 - <http://aso.icann.org/news>
 - 26 recommendations
- NRO/ASO response 3 May 2012
 - <http://nro.net/news>
- Next:
 - Report to ICANN Structural Review Committee
 - Implementation by NRO (RIRs)

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 three RIRs
 - APNIC
 - ARIN
 - RIPE



Internet Governance Forum

- Multistakeholder Advisory Group (MAG)
 - NRO members on technical community slate
 - Raul Echeberria, Paul Rendek, Paul Wilson
- 7th IGF Meeting
 - Baku, 6 to 9 November 2012
 - NRO annual contribution doubled to 75K USD
 - NRO workshops
 - Moving to IPv6: Challenges for Internet Governance
 - Certifying Internet Number Resources: Internet Governance and RPKI
 - Participation in many other events, including closing remarks for technical community (Paul Wilson)



Internet Governance cont.

- IGF Open Consultation February 2013.
 - NRO support to IGF and MS model
 - <http://www.nro.net/documents>
- CSTD
 - Working Group on IGF Improvements
 - <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)

- World Telecommunications Policy Forum (WTPF)
 - Nominated members to WTPF Expert Group
 - Encouraged the ITU Secretariat to continue opening its conferences to all stakeholders.
- World Conference on International Telecommunications (WCIT)
 - Expressing concerns about inclusion of Internet matters in ITRs



2012 Correspondence

- IPv6 Outreach
 - Asking ITU SG to open discussions on IPv6 capacity building initiatives
 - NRO still awaiting ITU proposal
- IANA Functions Contract to ICANN
 - Welcoming the decision by US DoC
- <http://www.nro.net/documents>

Other developments

- Retreat meetings February 2013 (SG)
 - “I*” Group
 - NRO EC
- Executive Secretary
 - Carefully considered “staff” position
- Increase IGF contribution from 2013
 - \$100,000
- Coordination groups
 - Registration Services
 - IPv6
- RPKI project management
 - Future planning and milestones



Thank You

<http://www.nro.net>

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