



# 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

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

\*Appointed by RIR Board

# NRO Finances

- NRO expenses incurred by RIRs and reconciled at year-end
  - Weighted formula based on revenue and resource holdings
- Major expenses
  - Address council travel expenses
  - Communications activities
  - Voluntary contribution to ICANN (USD 823K/year)
- Expense distribution 2011
  - AfriNIC 4.14 %
  - APNIC 37.50 %
  - ARIN 18.17 %
  - LACNIC 6.86 %
  - RIPE NCC 33.45 %
- Expense distribution 2012
  - TBD later in 2012

# ICANN – 2012

- ICANN 43 – 45
  - “ASO Workshops”
  - Meetings with ICANN Board and committees - SSAC, GAC, etc
- ASO Review
  - Responsibility of the NRO, contracted to ITEMS international
  - Report published 14 March 2012
  - Comment period closed 6 April 2012
  - NRO EC response under development
- Global Policy GPP-IPv4-2011
  - Comment period closed: 4 April 2012
  - Awaiting ICANN Board Ratification





NRO

# Internet Governance Forum

- Multistakeholder Advisory Group (MAG)
  - NRO members on technical community slate
    - Raul Echeberria, Paul Rendek, Paul Wilson
- 7<sup>th</sup> IGF Meeting
  - When: 6 to 9 November 2012
  - Where: Baku, Azerbaijan
  - 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)
- IPv6 Outreach
  - Letter to ITU Secretary General to open discussions on IPv6 capacity building initiatives
- See <http://www.nro.net/documents>

## Other developments

- Establishment of “PACG”, Public Affairs Coordination Group
- Liaison/coordination with “I\*” group
- 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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