NRO update

John Curran

Chair

NRO Executive Council

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

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