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

<table>
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<th>RIR</th>
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| 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
• 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
• 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
• CSTD Working Group on IGF Improvements
  – Commission on Science and Technology for Development
  – 2 technical community appointments
    • Sam Dickinson and Oscar Robles
• 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