NRO update

John Curran

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 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

- **Executive Secretary**
  - New permanent role to support ASO and NRO activities
  - German Valdez appointed on April 2013 (german@nro.net)

- **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

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<tr>
<th>NRO</th>
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<tr>
<td>AfriNIC</td>
<td>Fiona Asonga</td>
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<td>Alan Barrett* (Vice-chair)</td>
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<td>Douglas Onyango</td>
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<td>APNIC</td>
<td>Naresh Ajwani (Vice-chair)</td>
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<td>Tomohiro Fujisaki</td>
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<td>Andy Linton*</td>
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<td>ARIN</td>
<td>Louis Lee (Chair)</td>
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<td>Jason Schiller</td>
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<td>Ron da Silva*</td>
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<td>LACNIC</td>
<td>Hartmut Glaser*</td>
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<td>Ricardo Patara</td>
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<td>RIPE NCC</td>
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<td>Dmitry Kohmanyuk</td>
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<td>Wilfried Woeber*</td>
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*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 in ICANN 47 Durban.
  – Implementation by ASO and 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
• 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)
• IGF Open Consultation February 2013.
  – NRO support to IGF and MS model
  – [http://www.nro.net/documents](http://www.nro.net/documents)

• CSTD
  – Working Group on IGF Improvements

• 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)
  - 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](http://www.nro.net/documents)
Other developments

• Retreat meetings February 2013 (SG)
  – “I*” Group
  – NRO EC
• 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