NRO update

Paul Wilson
Chair
NRO Executive Council
What is the NRO?

• Number Resource Organization
  – Vehicle for RIR cooperation and representation
  – Lightweight, unincorporated association

• 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
<table>
<thead>
<tr>
<th>NRO</th>
<th>ASO: AC in 2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>AfriNIC</td>
<td>Fiona Asonga</td>
</tr>
<tr>
<td></td>
<td>Alan Barrett* (Vice-chair)</td>
</tr>
<tr>
<td></td>
<td>Douglas Onyango</td>
</tr>
<tr>
<td>APNIC</td>
<td>Naresh Ajwani (Vice-chair)</td>
</tr>
<tr>
<td></td>
<td>Tomohiro Fujisaki</td>
</tr>
<tr>
<td></td>
<td>Andy Linton*</td>
</tr>
<tr>
<td>ARIN</td>
<td>Louis Lee (Chair)</td>
</tr>
<tr>
<td></td>
<td>Jason Schiller</td>
</tr>
<tr>
<td></td>
<td>Ron da Silva*</td>
</tr>
<tr>
<td>LACNIC</td>
<td>Alejandro Guzman</td>
</tr>
<tr>
<td></td>
<td>Hartmut Glaser*</td>
</tr>
<tr>
<td></td>
<td>Ricardo Patara</td>
</tr>
<tr>
<td>RIPE NCC</td>
<td>Hans Petter Holen</td>
</tr>
<tr>
<td></td>
<td>Dmitry Kohmanyuk</td>
</tr>
<tr>
<td></td>
<td>Wilfried Woeber*</td>
</tr>
</tbody>
</table>

*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

• Voluntary Contribution
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
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

• 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
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