



NRO report

Axel Pawlik
NRO Executive Council

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Number Resource Organization



What is the NRO?

- Number Resource Organisation
 - Vehicle for RIR cooperation and representation
- Formed for the purposes of:
 - protecting the unallocated Number Resource pool
 - promoting and protecting the bottom-up policy development process
 - acting as a focal point for Internet community input into the RIR system
- Fulfills the role, responsibilities and functions of the ASO within ICANN framework
 - By ICANN/ASO MoU signed on 21 October 2004



NRO 2011

- Current office holders
 - Chairman: Raúl Echeberría, LACNIC
 - Secretary: John Curran, ARIN
 - Treasurer: Paul Wilson, APNIC
- NRO Coordination Groups
 - Engineering Coordination Group (ECG)
 - Communications Coordination Group (CCG)
 - Public Affairs Coordination Group (PACG)
 - Registration Services Managers (RSM)



About the ASO: The Address Council

- Comprised of 15 elected and appointed individuals from all 5 regions
- Independent body separate from RIR management and board to:
 1. Oversee global number resource policy work
 2. Appoint 2 Directors to the ICANN Board
 3. Serve on various ICANN bodies as needed:
(e.g. ICANN Nominating Committee, Affirmation of Commitment Review Teams)
 4. Advise ICANN Board on number resource matters



ASO Address Council

Fiona Asonga	AfriNIC
Alan Barrett – (VICE CHAIR)	AfriNIC
*Jean Robert Hountomey	AfriNIC
Naresh Ajwani - (VICE CHAIR)	APNIC
*Tomohiro Fujisaki	APNIC
Andy Linton	APNIC
*Louis Lee – (CHAIR)	ARIN
Jason Schiller	ARIN
Ron da Silva	ARIN
Sebastián Bellagamba	LACNIC
*Hartmut Glaser *	LACNIC
Francisco Obispo	LACNIC
Hans Petter Holen	RIPE NCC
Dave Wilson	RIPE NCC
*Wilfried Woeber	RIPE NCC

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ICANN / ASO

- NRO expenses distribution 2010

- Weighted formula based on revenue and total number resources held in the region:

AfriNIC	3.50 %
APNIC	32.40 %
ARIN	24.70 %
LACNIC	4.70 %
RIPE NCC	34.60 %

- NRO contribution to ICANN

- We have renewed our agreement
- The NRO remains committed to a yearly contribution of \$823,000.



NRO

NRO & ICANN – 2010/2011

- Cartagena de Indias, Columbia, 5-10 December 2010
 - ASO AC Update to Community, ICANN Board and Government Advisory Committee (GAC)
- San Francisco, USA, 13-18 March 2011
 - ASO AC Update to Community
 - ASO AC meeting
- Singapore, 19-24 June 2011
 - ASO AC Workshop on IPv6 Addressing Activities
 - ASO AC/NRO EC update to ICANN Board



NRO & ICANN – 2010/2011

- Dakar
 - ASO AC Workshop on IPv6 Addressing Activities
 - ASO AC/NRO EC meeting with ICANN Board
 - ASO update presentations to SSAC, GNSO, ccNSO



NRO

Internet Governance Forum

- NRO has actively participated in all the previous IGF events
- NRO is represented in the Multistakeholder Advisory Group (MAG) - Raúl Echeberría and Cathy Handley
- NRO is represented in the Commission on Science and Technology for Development (CSTD) Working Group - Sam Dickinson and Oscar Robles.

- Last Meeting
 - 27-30 September in Nairobi, Kenya
 - Meeting with UN Assistant Secretary General Thomas Stelzer
 - NRO Booth run by RIR staff
 - Workshop Coordination & Participation
 - Financial contribution to the IGF Host
 - Active participation in all discussions about IPv6, IGF improvements and institutional arrangements.
 - Meeting with Brazilian government representative about

International cooperation

- ITU

- Letter to the ITU-T and ITU-D inviting them to hold talks consistent with the outcomes of the Plenipot 2010 with regard to ITU interaction with other stakeholders. Meeting has not been possible yet.
- No IPv6 working group meeting this year.

- OECD

- The NRO is a founding member of the Internet Technical Advisory Committee (ITAC), continues its participation advising on issues of critical Internet resources in forums including the Working Party on Communications Infrastructure and Service Policy (CISP)

Ongoing activities in 2011

- Engineering Coordination
 - Focus on Resource Certification (RPKI) implementation coordination
- NRO workshop in 3-8 February, Miami, Florida
 - Hosted by ARIN
 - Concurrent with ICANN/IANA distribution of last 5 /8s
 - Met with ICANN, ISOC, IAB & IETF (I*) Executives
- NRO EC retreat, 16-17 August, Montevideo
 - Hosted by LACNIC
- I* meeting end November, Miami, Florida



NRO Retreat Topics

- Agreement to establish an NRO Public Affairs Coordination Group
- Review & Discussion of RPKI plans
 - Technical coordination
 - Review of regional discussions / concerns
- Ongoing ASO Review Initiative
- Legacy Space
 - Interregional coordination



Recent Communications

- 2011 Correspondence
 - Letter to ICANN about IANA contract
 - Letter to ICANN inviting them to hold talks about the implementation of a RPKI single trust anchor
 - Comments to the US DoC NoI on IANA contract.
 - No expansion of IANA functions
 - Support ICANN as the performer of IANA functions
 - Support keeping the IANA functions together
 - Suggest less formal agreement
 - Letter to ITU about NRO/ITU relationship.
 - Letter to ICANN proposing a meeting to evaluate the progresses made in technical discussions about RPKI GTA and to discuss future steps.
- All statements and correspondence with other organizations are available on the NRO website.



Thank You

<http://www.nro.net>

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