

Internet Number Certification Elise Gerich VP of IANA



ICANN involvement

In response to requests from the Internet community

The IAB principles

IAB statement on the RPKI.

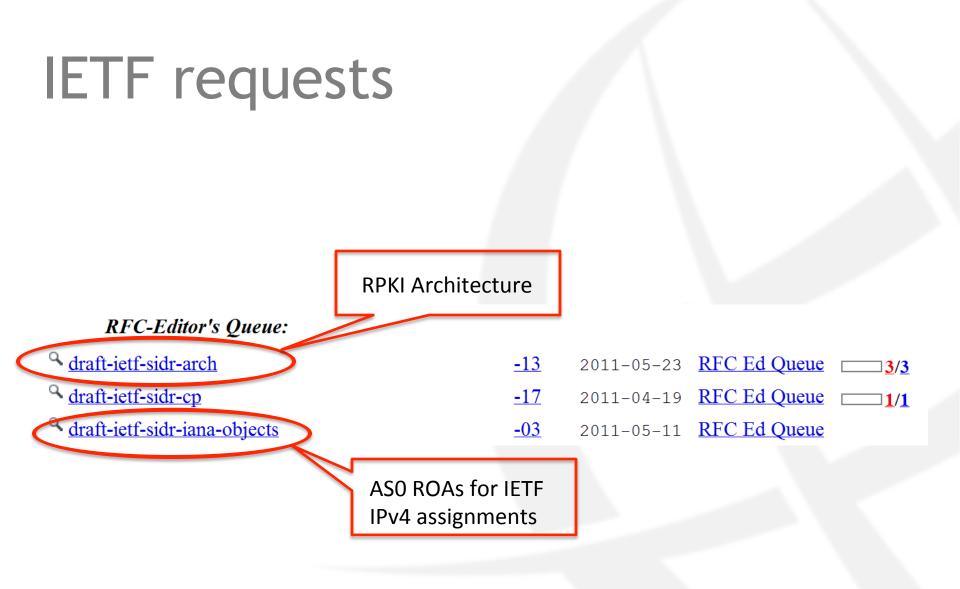
- To: IETF Announcement list <<u>ietf-announce at ietf.org</u>>
- Subject: IAB statement on the RPKI.
- From: IAB Chair <<u>iab-chair at ietf.org</u>>
- Date: Fri, 12 Feb 2010 02:55:43 -0800 (PST)

1. the RPKI should have a single authoritative trust anchor

2. this trust anchor should be aligned with the registry of the root of the allocation hierarchy

Internet number resource. Consequently, betore originating, propagating, or accepting an IP address prefix, each routing domain must individually assess the consistency of that prefix with whatever information can be obtained about actual allocations. This loose "routing by rumor" approach provides considerable flexibility to each routing system is vulnerable to large-scale disruptions through both misconfiguration and malice. These vulnerabilities can be substantially reduced through the use of an RPKI. Through proper design and wide-scale deployment, an RPKI enables network operators to generate their routing policies from securely verifiable allocation data, providing much higher confidence in the authenticity of routing information.

= Technical considerations with respect to the design of the PKI



The NRO

The NRO would like to enter into discussions with ICANN, conducting also proper talks with IAB, for a global trust anchor (GTA) to be operational in the near future. The NRO would be interested to task ICANN with the management of the GTA as a supplemental technical activity

) NRO



Resource Certification Discussions

Discussion group formed

- Staff from all RIRs
- IETF Chair
- IAB Chair
- ICANN Staff

Opening discussions



- At IETF 80 March 2011
- Meeting of minds
- Established a shared vision for discussion
- Started the search for requirements

Second discussion



- At IETF 81 in July 2011
- Agenda limited to requirements discussion
- For next meeting
 - A plan for exploratory ICANN-RIR testing

-More requirements building



ICANN is...

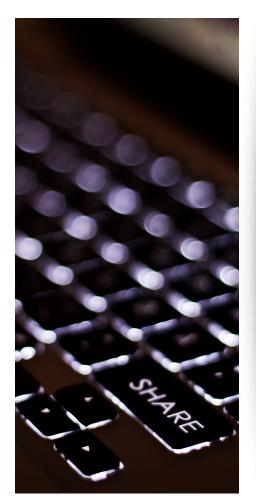
Responding to bottom up process



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- All RIRs are further along the path
- RFCs expected to be published soon

Working with the community



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- To Develop Solution
- In forums as appropriate or invited

Looking for feedback



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- Following most operator forums
- Participating in RIR forums
- Submitting feedback to RIRs or directly to <u>terry.manderson@icann.org</u>



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Questions