Introducing the NRO RPKI Program

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Agenda

PROGRAM INTRO
WHAT DO WE WANT TO ACHIEVE?
HOW ARE WE PLANNING TO DO THAT?

PROGRAM TEAM
Q&A
What’s the NRO?

MISSION

To actively contribute to an open, stable and secure internet, through:

- Providing and promoting a coordinated Internet number registry system
- Being an authoritative voice on the multi-stakeholder model and bottom-up policy process in Internet governance
- Coordinating and supporting joint activities of the RIRs
Why is this program important?

- Current diversity/inconsistency among RIRs
- Differences in RPKI related services being offered - Hosted/delegated, ROAs, AS0, etc
- Integrations (or lack of) between RPKI and IRR services

Sources:
https://manrs.org/resources/common-roa-management-requirements-and-security-standards-for-operators-of-rpki-services-ors/
Program Intro

NRO Strategic Review Process

• Agreement to work toward providing a robust, coordinated and secure RPKI service

The NRO RPKI Program was created

• Purpose: “To provide a more consistent and uniformly secure, resilient and reliable RPKI service”
• Removing barriers for RPKI adoption currently experienced by network operators who create RPKI objects through multiple RIRs.
What do we want to achieve?

• Purpose: “To provide a more consistent and uniformly secure, resilient and reliable RPKI service”

• More specifically, we want to achieve the following outcomes:
  – Entities interacting with multiple RIRs are able to do so through a single spec interface.
  – Improved transparency on the robustness of the RPKI system
  – Enhanced security consistency of the RPKI system across the different RIRs
  – The technical community is kept informed and engaged throughout the program, and their concerns are addressed in a coordinated way.
How are we planning to do that?

• The RPKI Steering Group is meeting in person this week

• We will be working on an implementation plan to achieve our objectives
  – Brainstorming initiatives
  – Prioritising based on value vs effort
The **NRO EC**, as the executive sponsor of the program, with a role of strategic goal prioritisation, approval and funding.

The **NRO RPKI Program Manager**, with a role of operational direction, oversight and support.

The **RPKI Steering Group**, which includes RPKI experts from the five RIRs and has a role of specific direction and advise related to agreed objectives.

Other RIR **RPKI Subject Matter Experts (SMEs)** and consultative groups, with a role of goal delivery and execution.
# RPKI Steering Group

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<tr>
<th>Name</th>
<th>Title</th>
<th>RIR</th>
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<tr>
<td>Yogesh Chadee</td>
<td>Head of Value Added Services</td>
<td>AFRINIC</td>
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<td>Anton Strydom</td>
<td>Director, Engineering</td>
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<td>Tom Harrison</td>
<td>Product and Delivery Manager - Registry Product</td>
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<td>Mark Kosters</td>
<td>Chief Technology Officer</td>
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<td>Jorge Cano</td>
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<td>Tim Bruijnzeels</td>
<td>Principal Engineer RPKI</td>
<td>RIPE NCC</td>
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We want to hear from you!

• What are the **main barriers or obstacles** for RPKI adoption that could be solved (or at least improved!) through **better coordination and collaboration** among the RIRs?

• Do you have ideas of initiatives we should consider?

• Please share them sending an email to [rpki_program@nro.net](mailto:rpki_program@nro.net)
Do you want to know more?

- Visit our webpage: [https://www.nro.net/technical-coordination/security/certification/#rpki_program](https://www.nro.net/technical-coordination/security/certification/#rpki_program)

THANKS FOR YOUR ATTENTION!
Q&A