2021-February-16: Minutes NRO EC Teleconference

Minutes

Date: Tuesday, 16 February 2021, 11 am UTC.

Attendees

Executive Council:

Hans Petter Holen (HPH)	RIPE NCC	Chair
Oscar Robles (OR)	LACNIC	Vice-Chair/Secretary
John Curran (JC)	ARIN	Treasurer
Paul Wilson (PW)	APNIC	
Eddy Kayihura (EK)	AFRINIC	

Observers:

Subramanian Moonesamy (SM)	AFRINIC
Pablo Hinojosa (PH)	APNIC
Sanjaya Sanjaya (SS)	APNIC
Richard Jimmerson	ARIN
Michael Abejuela	ARIN
Ashok Radhakissoon (AR)	AFRINIC
Ernesto Majo (EM)	LACNIC
Eduardo Jimenez (EJ)	LACNIC
Marco Schmidt (MS)	RIPE NCC
Fergal Cunningham (FC)	RIPE NCC
Felipe Victolla (FV)	RIPE NCC
Athina Fragkouli (AF)	RIPE NCC

Secretariat:

German Valdez (GV)	NRO Secretariat
Laureana Pavón	Minutes

Agenda

1. **Welcome**
2. **Agenda Review**
3. **Legal Team Update**
    1. ASO Review Implementation Table
    2. Fraud Communication Framework Implementation
4. **Legal Support on Recording Interviews to ASO ICANN Board Candidates**
5. **ICANN SSAC work on routing security**
6. **RPKI Attack Surface**
7. **ICANN Contribution**
8. **IGFSA Contribution**
9. **Coordinations Groups Reports/Consultations**
    1. CCG (Communications) Chair 2021: Fergal Cunningham
    2. RSCG (Registration Services) Chair 2021: Marco Schmidt
    3. ECG (Engineering) Chair 2021: Felipe Victolla Silveira
10. **NRO Budget**
    1. 2021 NRO Budget
    2. 2020 NRO Expense Report
11. **Open Actions Review**
12. **Minutes Review**
    1. 2021-January-19: Minutes NRO EC Teleconference- DRAFT (Pending: APNIC, ARIN, RIPE NCC)
    2. 2020-December-8: Minutes NRO EC Teleconference- DRAFT (Pending: ARIN, RIPE NCC)
    3. 2020-November-17: Minutes NRO EC Teleconference- DRAFT (Pending: ARIN)
13. **Next Meetings**
    1. Tuesday 16 March 2021
    2. Tuesday 20 April 2021
    3. Tuesday 18 May 2021
14. **AOB**
15. **Adjourn**

Resolutions

R-20210216-1: The NRO EC resolves the contribution of $823,000 USD ($650,000 service fee plus $173,000 voluntary contribution) to ICANN as per terms of article 5.2 of the Service Level Agreement for the IANA Numbering Services.

R-20210216-2: The NRO EC resolves to accept the proposed 2021 NRO budget.

R-20210216-3: The NRO EC resolves to accept the proposed 2020 NRO Budget Execution Report

New Action Items

New Action Item 20210216-1: The Secretariat to send the ASO Review Implementation Table to the CCG so that it can be reviewed and published.

New Action Item 20210216-2: The Secretariat to draft an answer to the ASO AC re their request to record the second round of interviews with candidates to the ICANN Board and circulate it to the EC for their approval before sending it to the ASO AC.

New Action Item 20210216-3: HPH to reply to Geoff Houston thanking him for his update on ICANN SSAC work on routing security and informing him that they don't have any comments at this time.

New Action Item 20210216-4: HPH to task the ECG with assessing and writing up the areas of risk of the attack surface of RPKI services.

New Action Item 20210216-5: HPH to go back to Marcus Kummer and talk to him about the IGFSA's long-term plans for the future and the ways to increase their revenue stream, and postpone the NRO EC decision on their contribution to the IGFSA until the next NRO EC meeting.

Minutes

1 Welcome

HPH welcomed everybody and opened the NRO EC meeting at 11:01 AM UTC.

2 Agenda Review

3 Legal Team Update

a) ASO Review Implementation Table

HPH handed the floor to AF.

AF noted that the table had been updated, that it now included all the suggestions and corresponding implementation statuses. She added that the legal team was of the opinion that this action item could be closed and suggested that the next step might be for the comms team to review the table and have it published.

New Action Item 20210216-1: The Secretariat to send the ASO Review Implementation Table to the CCG so that it can be reviewed and published.

b) Fraud Communication Framework Implementation

MA noted that Action Item 20200922-1 had called for the Legal Team to provide an internal coordination framework for handling RIR fraud cases. He said the Legal Team had put together a document covering both information to be shared with all RIRs as well as information to be shared bi-laterally or with a subset of the RIRs, that they'd reviewed it with the RSCG, and that in the opinion of the Legal Team the document was ready to be implemented.

JC proposed a motion for the NRO EC to adopt the Fraud Communication Framework Implementation document, PW seconded the motion, no objections were heard, and the motion carried unanimously.

AF reported that the Legal Team had two other pending action items: a) drafting a position paper on the status of IP addresses, a first draft of which should be ready by October 2021; and 2) redrafting the MoU, for which the EC will receive a first set of comments at the end of February.

HPH thanked AF and JC for their updates.

4 Legal Support on Recording Interviews to ASO ICANN Board Candidates

GV noted that, after their last meeting, the ASO AC had requested input from the Legal Team regarding the possibility of the Interview Committee (IC), the group responsible for the interview process to select an ICANN Board member, recording the second round of interviews with candidates who continue in the process after a first round of written questions, adding that this would be for the benefit of the ASO AC members who could not be present during the interviews. He added that, according to procedure, the IC was responsible for interviewing the candidates and preparing a report, but the election was up to the entire ASO AC.

GV said the ASO AC was asking the EC if they could provide some support regarding the legal practicalities of recording these interviews, some kind of document to be signed, perhaps a legal non-disclosure agreement or others.

HPH mentioned that his suggestion was not to record the interviews, not only because of legal reasons but also out of respect for the candidates.

OR agreed with HPH.

AR noted that, in order for the legal team to have a position on this, they needed to know what the ICANN legal counsel had to say about it, i.e., understand ICANN's standing before they could issue their own reflection.

PW said he tended to agree with HPH and OR and would prefer not recording the interviews.

JC noted that, once the selection had been made, any working materials including recordings should be deleted. He added that he did not feel strongly for or against recording the interviews.

AF commented that there are indeed legal implications and requirements involved in recording such interviews. She said that it would require a very careful investigation on their part, that they would need to be in contact with the AC to know why they needed the recordings, where and how long the recordings would be kept, prepare templates, where they would be kept, whether security standards were appropriate, and so on. She said that, in order to perform this investigation, the Legal Team would also require input from the AC.

EJ agreed.

GV then noted that the interviews were scheduled to begin in the first or second week of March.

MA and AF both noted that this would involve a significant amount of work in a very limited period of time. AF added that, for this upcoming election, the deadline was extremely tight considering that the investigation would also involve input from ICANN legal counsel and the ASO AC.

HPH also noted that not simply delivering their report but also a full recording of the interviews would also represent a departure from IC procedure.

After further discussion, the NRO EC unanimously agreed that it was not possible to approve this request at this time but that they might revisit the possibility of recording candidate interviews in future election processes.

New Action Item 20210216-2: The Secretariat to draft an answer to the ASO AC re their request to record the second round of interviews with candidates to the ICANN Board and circulate it to the EC for their approval before sending it to the ASO AC.

5 ICANN SSAC work on routing security

GV explained that he had sent to the list a communication from Geoff Huston regarding the SSAC Routing Security Work Party Charter looking any possible feedback from the NRO EC.

JC added that Geoff had sent a message to the NRO EC asking if they had any input on the Charter and indicating that he thought it was acceptable. JC observed that he agreed with Geoff and appreciated his carefully worded update.

JC, HPH and OR said they had no comments to the charter at this time.

New Action Item 20210216-3: HPH to reply to Geoff Houston thanking him for his update on ICANN SSAC work on routing security and informing him that they don't have any comments at this time.

6 RPKI Attack Surface

JC said that it had occurred to them at ARIN that there was quite a bit of attention to the role that RPKI was playing in securing Internet routing and that several customers had asked if they had assessed what could go wrong, how their services might be attacked or compromised, and what such an attack might endanger. He added that it might be a good idea to formally task the ECG to assess and write up the areas of risk of the attack surface of the mutual RPKI services.

HPH observed that there was definitely room for work in this area, as there may be other things they haven't thought about, both inside the box of good software engineering and also way outside the normal box of both software engineering and legal and going into the political arena.

PW agreed. He suggested they could share the work that each RIR had already done to try to converge.

JC suggested that it would be helpful to ask the ECG to assess the risks or possible points of compromise of RPKI services by RIRs, as it would give them a common baseline to consider their RPKI services.

HPH said he supported taking this to the ECG.

New Action Item 20210216-4: HPH to task the ECG with assessing and writing up the areas of risk of the attack surface of RPKI services.

7 ICANN Contribution

GV explained that they had received an email from ICANN asking them to confirm the invoice details for the NRO's contribution. He said that, provided that the EC wanted to proceed with the same amount they had contributed in previous years based on the contract they had signed a few years ago, he would need a resolution on the matter.

JC agreed on the importance of having a resolution on regarding the NRO's contribution to ICANN.

JC, HPH, PW, OR and EK unanimously approved the proposed resolution:

R-20210216-1 The NRO EC resolves the contribution of $823,000 USD ($650,000 service fee plus $173,000 voluntary contribution) to ICANN as per terms of article 5.2 of the Service Level Agreement for the IANA Numbering Services.

8 IGFSA Contribution

GV said he had received a private email from Markus Kummer asking if the EC would be contributing IGFSA this year, noting that for the 2021 budget he had added a $50,000 contribution, the same amount as in previous years.

HPH recalled that the last time they had discussed this topic, $50,000 represented a significant portion of the IGFSA budget.

CB noted that the PACG gad already had some discussions about the efforts to broaden the base of support for the IGFSA.

HPH suggested postponing this decision until the next NRO EC meeting and the EC decided the following action item:

New Action Item 20210216-5: HPH to go back to Marcus Kummer and talk to him about the IGFSA's long-term plans for the future and the ways to increase their revenue stream, and postpone the NRO EC decision on their contribution to the IGFSA until the next NRO EC meeting.

9 Coordinations Groups Reports/Consultations

a) CCG (Communications) Work Pan 2021: Antony Gollan

FC observed that Antony Gollan was CCG Chair this year and transmitted his apologies for not being able to be present on the call.

The NRO CCG Work Plan 2021 was then displayed on screen and FC went through and provided details of each of the main items included in the plan (Maintenance Activities, Information and Publications, CCG Meetings and CCG Projects).

HPH thanked FC for his presentation.

In relation to the following item proposed under Maintenance Activities "The CCG asks the NRO EC to consider publishing quarterly statements on the NRO website," JC suggested that he would prefer to defer the decision on having such quarterly statements until their next meeting until they know what their purpose would be and what the resources would be involved, adding that the RIR communities are not present at ICANN meetings but at RIR meetings.

HPH suggested approving the NRO CCG Work Plan 2021 as written, with the exception above. All agreed.

b) RSCG (Registration Services) Work Plan 2021: Marco Schmidt

With the RSCG 2021 Work Plan displayed on screen, MS went over the main activities included under each item (Fraud handling, Inter-RIR transfer framework, Inter-RIR transfer framework, IPv6 promotion, ITHI review and implementation, Extended Delegated Stats, NRO INR Status Report, RIR to RIR coordination framework, RSCG collaboration/meetings, RIR transfer logs, Data accuracy, NRO wiki update).

All members of the EC agreed, and the RSCG 2021 Work Plan was approved as written.

c) ECG (Engineering) Work Plan 2021: Felipe Victolla Silveira

With the plan displayed on screen, FV went over the main activities included under each item of the NRO ECG 2021 Work Plan, namely, RIR Coordination and Collaboration; Extended Stats, Registry, Database; RDAP; RPKI; General Public API (NRO API?); IETF and Relevant Fora Observation; Proposed Meeting Schedule.

SS suggested adding the RPKI vector attack assessment, all EC members agreed.

HPH thanked FV for his presentation.

The EC approved the NRO ECG 2021 Work Plan as written, with the addition suggested by SS.

10 NRO Budget

a) 2021 NRO Budget

GV said he'd share the 2021 NRO Budget on the list. He then displayed the budget spreadsheet on screen and explained the various items.

OR asked GV when he had considered that travel would be possible again, and GV replied that, in a very optimistic scenario, travel would not be possible until after September.

HPH asked all EC members whether they agreed with the budget. No objections were heard, and the budget was approved.

R-20210216-2: The NRO EC resolves to accept the proposed 2021 NRO budget.

b) 2020 NRO Expense Report

GV then shared the Budget Execution Report for 2020 on screen, which had already been validated by the CFOs, who had agreed on the contribution of each RIR.

After going over the various items included in the report, all EC members agreed to approve the NRO budget.

R-20210216-3: The NRO EC resolves to accept the proposed 2021 NRO Budget Execution Report for 2020.

11 Open Actions Review

There were no open action items for review.

12 Minutes Review

- 2021-January-19: Minutes NRO EC Teleconference - DRAFT (Pending: APNIC, ARIN, RIPE NCC)
- 2020-December-8: Minutes NRO EC Teleconference - DRAFT (Pending: ARIN,, RIPE NCC)
- 2020-November-17: Minutes NRO EC Teleconference - DRAFT (Pending: ARIN)

HPH suggested that each EC member should take care of this individually.

13 Next Meetings

a) Tuesday 16 March 2021

b) Tuesday 20 April 2021

c) Tuesday 18 May 2021 (During RIPE 82)

No changes to future meeting dates were made at this point.

14 AOB

OR made two announcements. First, that LACNIC would be starting a new strategic planning process which they conduct every four or five years and that this included asking the NRO some basic questions he would be sending the EC next week via email.

OR's second announcement was that LACNIC and APNIC would be starting a study about the key technical factors that have helped the Internet grow over the years and that have provided it with the resilience and plasticity it has at this time. He added that the study would be conducted from a very practical point of view, to produce something for internal use for liaising with government actors or other organizations and that it was expected that it would be conducted by a consortium or a couple of consultants and would be ready by the end of the year.

JC said that it sounded like an interesting study as it was always good to look at why they've been successful.

15 Adjourn

There being no further business to discuss, JC proposed a motion to adjourn, PW seconded the motion, and the motion carried. The meeting was adjourned at 13:08 UTC.