

I C A N N
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63

BARCELONA

20-25 October 2018



RSSAC Caucus



RSSAC Organization

- RSSAC
 - Appointed representatives from the 12 root server operators
 - Alternates to these
 - Liaisons

- RSSAC Caucus
 - Body of volunteer subject matter experts
 - Appointed by RSSAC

- Members
 - 100 DNS and root server system experts
 - Public statements of interest
 - Public credit for individual work
- Purpose
 - Pool of experts
 - Expertise, critical mass, broad spectrum
 - Transparency of who does the work
 - Who, what expertise, which other hats
 - Framework for getting work done
 - Results, leaders, deadlines
- To apply, email rssac-membership@icann.org

Caucus - Next Meetings



ICANN 63

Tuesday, 23 October

10:30 – 12:00

Room 129/130



IETF 104

23-29 March 2019

Prague, Czech Republic

RSSAC Second Organizational Review

- In June, an independent examiner concluded the second organizational review of the RSSAC. The final report contained six main recommendations.
- Earlier this month, the RSSAC delivered its Feasibility Assessment and Initial Implementation Plan (FAIIP) to the ICANN Board Organizational Effectiveness Committee (OEC).
- The OEC is now considering the final report and the FAIIP and will make recommendations to the ICANN Board on next steps, including implementation.

Recent RSSAC Publications

RSSAC Publications since ICANN 62

- RSSAC039: RSSAC Statement Regarding ICANN's Updated KSK Rollover Plan
- RSSAC040: Recommendations on Anonymization Processes for Source IP Addresses Submitted for Future Analysis
- RSSAC041: RSSAC Advisory on Organizational Reviews

RSSAC039: RSSAC Statement Regarding the Updated KSK Rollover Plan

- Provides advice on the ICANN organization's updated plan for the root KSK rollover
- Lists two items that the ICANN Board should consider addressing:
 - Potential increase in traffic to the RSS
 - Review of the published recoverability plan
- Conclusion: “[RSSAC does] not see a technical reason for these items to cause any delay in resuming the KSK rollover plan on the current proposed schedule.”

- DNS operators are periodically requested to collect query data and submit it to a central storage location where it is accessible for future research.
- Some operators are uncomfortable sharing IP addresses of the query sources and some are even legally prevented from doing so.
- RSSAC040 provides four algorithms for anonymization and discusses their pros and cons.

RSSAC040: Anonymization Processes for Source IP Addresses (Recommendations)

- Root Server Operators should consider the advantages and disadvantages of harmonization of anonymization for DITL Data.
- Each RSO should consider the anonymization procedures in this document individually
- AS numbers of original addresses should be made available with the anonymized data if the origin AS is sufficiently general that it does not unnecessarily expose data that should have been anonymized.

RSSAC041: RSSAC Advisory on Organizational Reviews

- Addresses responsibilities of the ICANN organization for the organizational review process.
- Provides advice on writing the RFP and selecting the reviewer
- Includes guiding principles on how an organizational review should be conducted
- Provides five recommendations to the ICANN organization on organizational reviews.

RSSAC041: RSSAC Advisory on Organizational Reviews (Recommendations)

1. The ICANN organization should, with sufficient detail, define an ICANN organizational review. This definition should be documented and available to the community. Details should be crisp and tight in order to ensure complete clarity of scope.
2. The ICANN organization should document the intent of the organizational review, what information it hopes to obtain, and how that information will be used.
3. The ICANN organization should continue to use its RFP process to select the IE. The process should be modified to ensure that the IE are experts in assessment frameworks and methodologies and that they are not from the ICANN community.

RSSAC041: RSSAC Advisory on Organizational Reviews (Recommendations continued)

4. When an organizational review begins, the ICANN organization should ensure there are actionable checkpoints in place to ensure that the organizational review is meeting contractual obligations. Depending on the outcome of each checkpoint, the ICANN organization should take appropriate action to ensure contractual compliance.

5. At the conclusion of any organizational review, the ICANN organization should report on how the process transpired. If there are any lessons learned from the organizational review, the ICANN organization should demonstrate how the process will be modified.

Updates on Current RSSAC and Caucus Work

Current Work: Packet Sizes Work Party

- In the process of shutting down
- Will archive the current work for potential later use

Current Work: Service Coverage of the RSS

- Explore the concept of accessibility to the RSS.
- Discover indicators that can be used to define adequate RSS service coverage.
- Suggest procedures or tools that could be used to determine poor service coverage.
- Recommend to RSOs and the Internet community how to enhance the service coverage of the RSS.

Current Work: Studying Modern Resolver Behavior

- Investigate behavior of modern recursive DNS resolvers in how they interact with authoritative servers and the RSS specifically.
- Potentially recommend changes to the DNS protocol and implementations to optimize deployment of DNS recursive resolvers, authoritative resolvers, and root servers.
- Potentially craft advice to the ICANN Board or other ICANN constituencies to benefit the stability of the DNS or RSS.

Current Work: RSSAC Tools

- Software Tools created by the RSSAC Caucus
- Repositories allocated on request
 - <https://github.com/rssac-caucus>

Caucus Work Party Engagement

Questions?

For more information on the RSSAC

- ⦿ Main webpage
<https://rssac.icann.org/>
- ⦿ Publications
<https://www.icann.org/groups/rssac/documents>
- ⦿ FAQ
<https://www.icann.org/groups/rssac/faq>

For more information on the RSSAC Caucus

- ⦿ Main Caucus webpage
<https://www.icann.org/groups/rssac-caucus>

Thank You