

**I C A N N**  
**POLICY FORUM**

62

**PANAMA CITY**

25–28 June 2018



# Root KSK Rollover Update

**David Conrad**  
CTO, ICANN

At-Large Leadership Working Session Part 4, ICANN 62  
26 June 2018



# Root KSK Rollover Schedule

Date	Action
1 February 2018	Draft plan published, public comment opened
10-15 March (ICANN61)	Hold session for community feedback
2 April	Comment period ends; revise plan, as necessary
Mid April	Publish staff report on public comment and revised plan
10 May (Board workshop)	Request Board resolution to ask SSAC, RSSAC and RZERC to review and comment on the plan by 1 August
24-28 June (ICANN62)	Hold another session for community feedback Brief the community and get feedback
10 August	Requested due date for feedback from SSAC, RSSAC and RZERC; revise plan, as necessary
Mid August	Publish final plan, with message that roll is contingent on Board resolution
14 September (Board workshop)	Request Board resolution directing ICANN org to roll the root KSK on 11 October 2018
<b>11 October 2018</b>	<b>Rescheduled date for root KSK roll</b>

# Draft of Revised Plan to Proceed With the Rollover Published

---

- On 1 February 2018, the ICANN org published a draft plan to proceed with the KSK rollover:
  - Roll the root zone KSK on 11 October 2018
    - No specific measureable criteria emerged during community discussion
  - Continue extensive outreach
    - We will keep publicizing the root KSK roll
  - Publish more observations for trust anchor report data
    - Now publishing daily snapshots of the RFC 8145 trust anchor report data received from most of the root servers

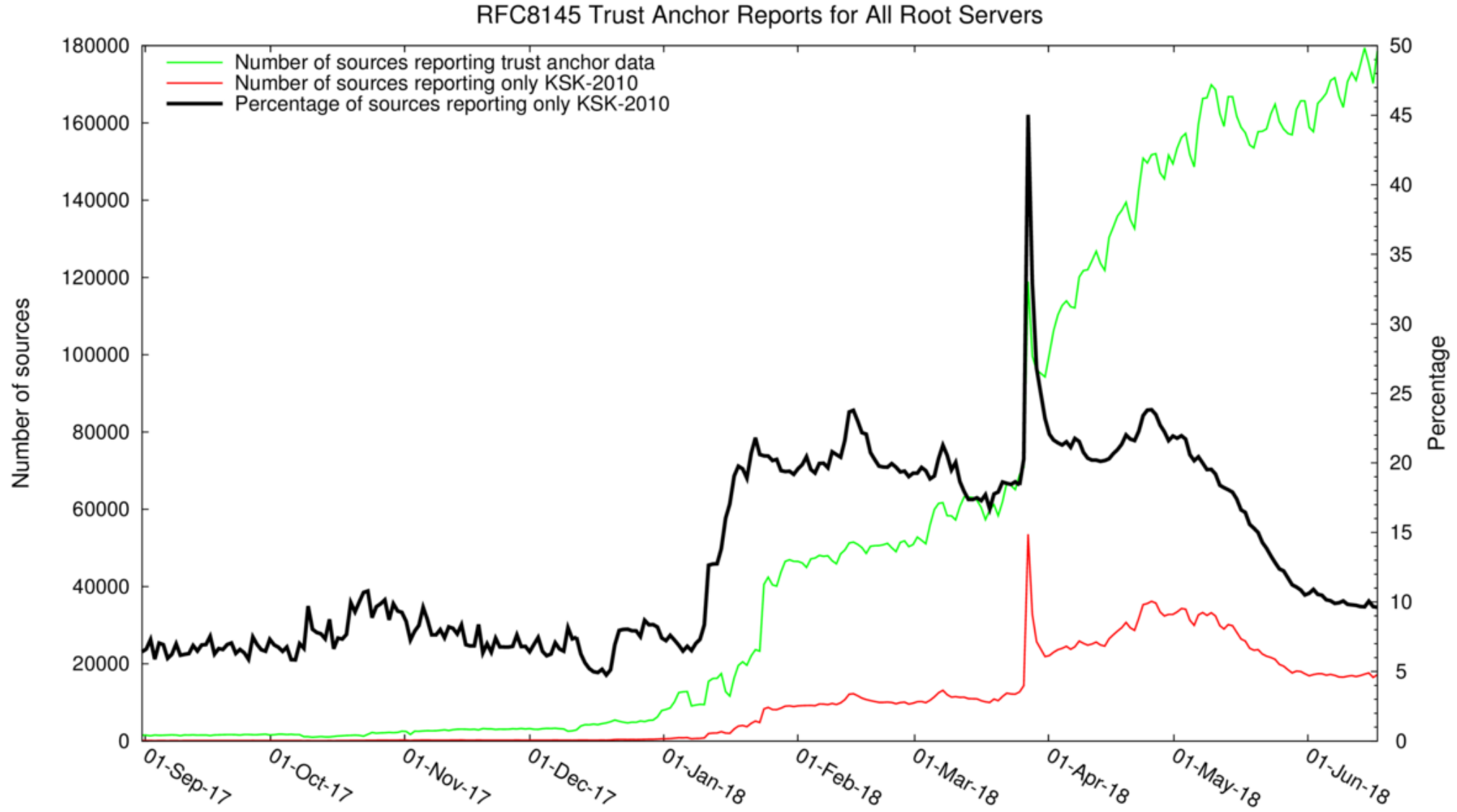
# Public Comment on Revised Plan to Proceed

---

- ⦿ Public comment on revised plan to proceed with the KSK rollover was open from 1 February 2018 – 2 April 2018
  - <https://www.icann.org/public-comments/ksk-rollover-restart-2018-02-01-en>
- ⦿ Staff report on comments received published 23 April 2018
  - <https://www.icann.org/en/system/files/files/report-comments-ksk-rollover-restart-23apr18-en.pdf>
  - 20 comments, largely supportive
- ⦿ Rollover operational plans revised to reflect comments
  - <https://www.icann.org/resources/pages/ksk-rollover-operational-plans>

- ⦿ The ICANN org is receiving RFC 8145 trust anchor reports from 11 of 13 root server letters
- ⦿ High-level graphs published
  - <http://root-trust-anchor-reports.research.icann.org>
- ⦿ Source IP addresses of RFC 8145 trust anchor reports published
  - <http://root-trust-anchor-reports.research.icann.org/rfc8145-addresses.txt>
  - Details on the same page with the graphs (URL above)
- ⦿ Graphs and list of addresses updated daily

# RFC 8145 Trust Anchor Reports for All Root Servers



# Other Current Activities

---

- ⦿ Ongoing communication, including public presentations
- ⦿ Preparing KSK rollover readiness survey
  - Professional survey firm being engaged
  - Will survey the top 1000 ASNs worldwide showing evidence of validation in APNIC's data (Thanks, APNIC!)
- ⦿ Investigating and documenting how popular validators react when root trust anchor changes from what is configured
  - E.g., timing of when validation failures begin related to caching
- ⦿ Answering any questions from SSAC, RSSAC and RZERC as they (hopefully) prepare comments on revised plan before 10 August 2018