

Technical Committee (BTC) Activity Report – 1 January through 30 June 2018

Section I – Completed Activities

Item	Description	Committee Completion Date	Accomplishments/Outcome
IT Technical Support to the Board	ICANN Chief Information Officer (CIO) to prepare written briefing for the Committee about the proposed new approach to deliver end-user support to Board members	13 February 2018	After reviewing the briefing provided by the ICANN's CIO, the chair of the BTC sent an email on February 13 to the entire Board to notify them of the new approach.
Technology Threats to the Root Server System	The Office of the CTO (OCTO) to Assess Technology Threats to the Root Server System and report back to the BTC	22 February 2018	Work on the subject was presented to the BTC in February and to the board in Panama (March 2018).
Request Further study on Name Collision by SSAC	The SSAC anticipates providing the Board a preliminary budget estimate and timeline with project milestones in early February 2018	28 February 2018	SSAC2018-006, SSAC Proposal for the Name Collision Analysis Project (NCAP)
Evaluate contribution from ICANN Org to NCAP project	OCTO to examine what part of the NCAP project proposal OCTO could undertake	24 May 2018	<p>OCTO confirmed its ability to assist with the following activities in the NCAP study proposal:</p> <ul style="list-style-type: none"> ✓ Design, build and operate the data repository (Study Tasks 5-8 of Study One) ✓ Design, build and operate the test system (Study Task 3 of Study Two) used in Study Two for impact analysis and testing and in Study Three for testing possible mitigations
KSK Rollover Plan update	Board to pass a resolution to request advice from SSAC, RSSAC, and RZERC on revisions to the KSK Rollover plan.	13 May 2018	Proposed resolution was submitted to the board as part of the consent agenda and passed during its workshop in Vancouver, with subsequent communication to all relevant organisations.

Section II – Activity in Progress

Item	Description	Target Completion date	Accomplishments/Outcome
Root Zone Management System Revision Studies	OCTO to conduct analyses of revising the RZMS through two studies, which would be the subject of RFPs. The first study would evaluate the process as it is today and provide possible recommendations on incremental changes that could be made to make the process more robust. The second study would not be limited to making incremental changes to the current approach but would instead consider potential new approaches for making changes to the content of the root zone.	As yet unassigned.	OCTO sent RZERC background information about the "evolutionary" study and is waiting on a response from the committee with feedback and direction.
Review of NCAP proposal	OCTO to engage a subject matter expert to evaluate the SSAC NCAP proposal and propose any necessary changes to improve implementability.	30 August 2018	Subject matter expert engaged and an internal staff working group created to oversee the revision of the SSAC proposal and subsequent work resulting from that proposal should it be accepted by the board.
DAAR: Spam as an indicator of DNS abuse	OCTO to prepare a briefing addressing the use of spam as an indicator of DNS abuse.	As yet unassigned.	Research to collect data related to spam as an indicator of DNS abuse initiated.
Technical Experts Group (TEG) and BTC	OCTO to prepare a proposal on how to integrate the TEG meeting into the public portion of the Board Technical Committee meeting	15 August 2018	Proposal being developed.
SSAC Advisory Regarding Access to Domain Name Registration Data (SSAC 101)	The Board has acknowledged receipt of this advice and it has been entered into ICANN's Action Request Registry. The BTC is still deciding which board members will lead this within BTC.	As yet unassigned.	After selection of work leads within BTC, there will be follow up with SSAC to come up with a timeline and make sure the recommendations are suitable for further steps by the ICANN Board.

Section III: Appendix – Resolutions Recommended by the BTC

PROPOSED RESOLUTION:

Getting Additional Input on New KSK Roll Plan

Whereas, ICANN organization has updated the full plan documents in response to suggestions from the community and created "Updated Plan for Continuing the Root KSK Rollover" (published at <<https://www.icann.org/resources/pages/ksk-rollover-operational-plans>>) ;

Whereas, the Board often requests advice from the Root Server System Advisory Committee (RSSAC) on matters that relate to the stability of the root zone, and often requests advice from the Security and Stability Advisory Committee (SSAC) on matters that relate to the security and stability of the Domain Name System (DNS) and often requests advice from the Root Zone Evolution Review Committee (RZERC) on architectural changes to the content of the DNS root zone

Resolved (2018.05.13.09), that the Board requests RSSAC, SSAC and RZERC to provide the Board advices on "Updated Plan for Continuing the Root KSK Rollover" and associated plan documents, and report back to the Board by 10 August 2018 if possible.