

ICANN BOARD PAPER NO. 2013.11.21.2g

TITLE: **SSAC Advisories on Name Collision and DNSSEC
Key Rollover in the Root Zone**

PROPOSED ACTION: **For Consent Agenda**

EXECUTIVE SUMMARY:

On 8 November 2013, the SSAC sent two advisories to the ICANN Board: [SAC062](#): Advisory Concerning the Mitigation of Name Collision Risk and [SAC063](#): DNSSEC Key Rollover in the Root Zone. These advisories were published on 12 November 2013.

These advisories contain a host of recommendations and suggested actions for ICANN. The Board directs ICANN staff to perform the following steps to assist the Board in its response to these advisories:

- Produce a recommendation to the Board regarding acceptance of the advice; and
- Evaluate the feasibility, cost and implementation steps for any advice that Staff recommends that ICANN should adopt.

RECOMMENDATION:

Staff recommends that the Board:

- 1) Acknowledge the receipt of SAC062 and SAC063, enter the advice contained in these advisories into the newly created advice register, and confirm with the SSAC that the entries in the register accurately capture the advice.
- 2) Request staff to evaluate the advice and produce a recommendation to the Board regarding acceptance of the advice, no later than 90 days from the adoption of this resolution.
- 3) In the instances where staff recommends that the advice should be accepted, request staff to evaluate the feasibility, cost, and create an implementation plan with timelines and high-level milestones for review by the Board prior to the ICANN's meeting in Singapore in March 2014.

PROPOSED RESOLUTION:

Whereas, on 12 November 2013, the ICANN Security and Stability Advisory Committee (SSAC) published SAC062: SSAC Advisory Concerning the Mitigation of Name Collision Risk, and SAC 063: SSAC Advisory on DNSSEC Key Rollover in the Root Zone;

Whereas, in SAC 062, the SSAC advice integrates the New gTLD Program Committee's recent decisions on Name Collision Risks, and provides specific recommendations and advice for ICANN to work further to mitigate risks from name collision;

Whereas, ensuring the successful DNSSEC Key Rollover in the Root Zone is of critical importance to the security and stability of the Domain Name System;

Resolved (2013.11.21.xx), the Board acknowledges the receipt of SAC062: SSAC Advisory Concerning the Mitigation of Name Collision Risk, and SAC 063: SSAC Advisory on DNSSEC Key Rollover in the Root Zone;

Resolved (2013.11.21.xx), the Board directs ICANN's President and CEO to have the SSAC's advice from these two Advisories entered into the advice tracking register and to confirm with the SSAC that the entries accurately capture the advice;

Resolved (2013.11.21.xx), the Board directs ICANN's President and CEO to have the advice provided in SAC062 and SAC063 evaluated, and to produce a recommendation to the Board regarding the acceptance of that advice, no later than 90 days from the adoption of this resolution.

Resolved (2013.11.21.xx), in the instances where ICANN recommends that the advice be accepted, the Board directs ICANN's President and CEO to have the feasibility and costs of implementing the advice evaluated, and to provide an implementation plan with timelines and high-level milestones for review by the Board, no later than 120 days from the adoption of this resolution.

PROPOSED RATIONALE:

On 12 November 2013, the SSAC published an advisory regarding the mitigation of name collision risks entitled SAC062: SSAC Advisory Concerning the Mitigation of Name Collision Risk. The SSAC's advice integrates ICANN's New gTLD Program Committee's recent decisions on Name Collision Risks, and provides specific recommendations and advice for ICANN to work further to mitigate risks from name collision in the DNS.

On 12 November 2013, the SSAC also published SAC063 regarding the DNSSEC Key Rollover in the Root Zone. The Advisory describes the DNSSEC root zone Key Signing Key (KSK) rollover problem space at a high level, identifies issues that constrain possible solutions, and where appropriate, makes recommendations to the ICANN Board related to root zone KSK rollover.

The Board's consideration of recommendations from Supporting Organizations and Advisory Committees in general, and for SAC062 and SAC063 in specific, needs to be informed by an analysis of both the substance of the advice as well as the feasibility and cost of implementing such advice that is deemed acceptable. As a result, there is no immediate impact to ICANN's resources by taking this resolution. In addition, there is no immediate impact on the security, stability or resiliency as a result of this resolution. As appropriate, the future implementation of the SSAC's advice on these issues will likely have a positive impact on the security, stability and resiliency of the DNS.

This is an Organizational Administrative Function for which public comment is not required.

Signature Block:

Submitted by: Ram Mohan

Position: SSAC Board Liaison

Date Noted: 16 November 2013

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