

# Agenda

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# Security and Stability Advisory Committee (SSAC)

## Who We Are



⦿ 37 Members



⦿ Appointed by the ICANN Board

## What We Do

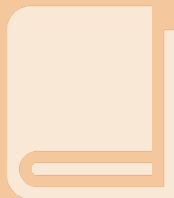


Charter: Advise the ICANN community and Board on matters relating to the security and integrity of the Internet's naming and address allocation systems.

## What is Our Expertise

- Addressing and Routing
- Domain Name System (DNS)
- DNS Security Extensions (DNSSEC)
- Domain Registry/Registrar Operations
- DNS Abuse & Cybercrime
- Internationalization (Domain Names and Data)
- Internet Service/Access Provider
- ICANN Policy and Operations

## How We Advise



**98 Publications since 2002**

⦿ REPORTS ⦿ ADVISORIES ⦿ COMMENTS

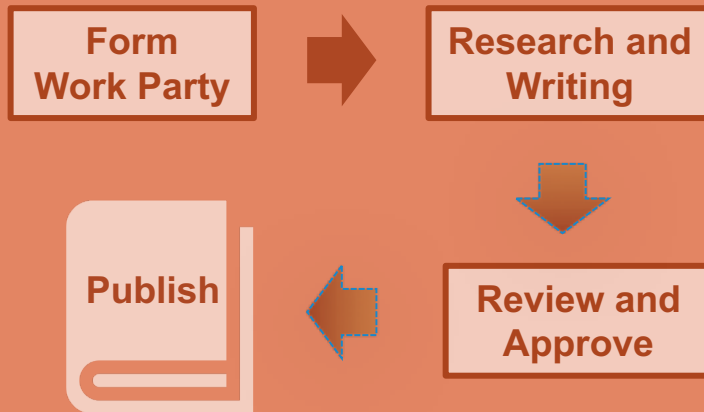
**OUTREACH**

# Security and Stability Advisory Committee (SSAC)

## ICANN's Mission & Commitments

- ⦿ To ensure the stable and secure operation of the Internet's unique identifier systems.
- ⦿ Preserving and enhancing the operational stability, reliability, security and global interoperability, resilience, and openness of the DNS and the Internet.

## SSAC Publication Process



## Consideration of SSAC Advice

(to the ICANN Board)

SSAC Submits Advice to ICANN Board

Board Acknowledges & Studies the Advice

Board Takes Formal Action on the Advice

1. Policy Development Process

3. Dissemination of Advice to Affected Parties

2. Staff Implementation with Public Consultation

4. Chose different solutions (explain why advice is not followed)

# Security and Stability Advisory Committee (SSAC)

## Current Work Parties

- ⦿ Management of the Namespace and Name Collisions
- ⦿ IDN Harmonization
- ⦿ SSAC Organizational Review
- ⦿ WHOIS Rate Limiting
- ⦿ Internet of Things
- ⦿ DNSSEC Workshops (Ongoing)
- ⦿ Membership Committee (Ongoing)

## Recent Publications

- [SAC098]: The Security, Stability, and Resiliency of the DNS Review (SSR2) (04 October 2017)
- [SAC097]: SSAC Advisory Regarding the Centralized Zone Data Service (CZDS) and Registry Operator Monthly Activity Reports (14 June 2017)
- [SAC096]: SSAC Comment on the CCWG-Accountability-WS2 Draft Framework of Interpretation for Human Rights (30 May 2017)
- [SAC095]: SSAC Advisory on the Use of Emoji in Domain Names (25 May 2017)

**ICANN | SSAC**

Security and Stability Advisory Committee

## Outreach



ssac.icann.org and SSAC Intro:  
[www.icann.org/news/multimedia/621](http://www.icann.org/news/multimedia/621)



[www.facebook.com/pages/SSAC/432173130235645](https://www.facebook.com/pages/SSAC/432173130235645)



SAC067 SSAC Advisory on Maintaining the Security and Stability of the IANA Functions Through the Stewardship Transition and SAC068 SSAC Report on the IANA Functions Contract: [www.icann.org/news/multimedia/729](http://www.icann.org/news/multimedia/729)

# Work in Progress, Future Milestones, and Recent Publications

Patrik Fältström

# Current Work in Progress

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- ⦿ Management of the Namespace and Name Collisions
- ⦿ IDN Harmonization
- ⦿ SSAC Organizational Review
- ⦿ WHOIS Rate Limiting
- ⦿ Internet of Things
- ⦿ DNSSEC Workshops (Ongoing)
- ⦿ Membership Committee (Ongoing)

# Topics of Interest/Possible New Work

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- ⦿ Signing root NS Sets Analysis
- ⦿ Are We Ready for an IPv6-Only Internet?
- ⦿ Analysis of WannaCry/Conficker
- ⦿ Challenges of Hosting Large Domain Portfolios
- ⦿ Proposal for .internal
- ⦿ SSAC Publication Review
- ⦿ SSAC Skills Survey
- ⦿ "Emerging Security Issues" Sessions at ICANN meetings

# Current and Future Milestones

Q2-4 2017

Q1 2018

- ✓ [SAC093] SSAC Comments on the Draft Recommendations of the CCWG-Accountability-WS2 on SO/AC Accountability (18 May 2017)
- ✓ [SAC094] SSAC Response to the New gTLD Subsequent Procedures PDP Working Community Comment 2 (22 May 2017)
- ✓ [SAC095] SSAC Advisory on the Use of Emoji in Domain Names (25 May 2017)
- ✓ [SAC096] SSAC Comment on the CCWG-Accountability-WS2 Draft Framework of Interpretation for Human Rights (30 May 2017)
- ✓ [SAC097]: SSAC Advisory Regarding the Centralized Zone Data Service (CZDS) and Registry Operator Monthly Activity Reports (14 June 2017)
- ✓ [SAC098]: The Security, Stability, and Resiliency of the DNS Review (SSR2) (04 October 2017)

- ⊙ Possible Advisory on Management of the Namespace and Name Collisions
- ⊙ Possible Advisory on IDN Harmonization
- ⊙ SSAC Organizational Review
- ⊙ Possible Advisory on WHOIS Rate Limiting
- ⊙ Possible Advisory on Internet of Things
- ⊙ DNSSEC Workshops (Ongoing)
- ⊙ Membership Committee (Ongoing)



# Recent Publications

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## [SAC097]: SSAC Advisory Regarding the Centralized Zone Data Service (CZDS) and Registry Operator Monthly Activity Reports (14 June 2017)

- The stated CZDS program goals were standardization and easy, reliable operations for participants who have a requirement to access these zone files.
- The CZDS has often succeeded in these goals. However, after three years of operation, community members have documented problems where the CZDS does not deliver on these objectives.
- This advisory details these problems and recommends improvements.

## [SAC098]: The Security, Stability, and Resiliency of the DNS Review (SSR2) (04 October 2017)

- SSAC letter to the ICANN Board of Directors concerning the status of the SSR2.

# Questions from the Community

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- ⦿ How does the SSAC prioritize new work?
- ⦿ How does the SSAC address requests from the ICANN Board and the community?
- ⦿ How does the SSAC track the Board's response to SSAC advice?
- ⦿ How does the SSAC inform the community of its work?
- ⦿ How can the community track the Board's response to SSAC advice?
- ⦿ How does the SSAC admit new members?
- ⦿ What opportunities exist to collaborate and/or participate in SSAC activities?

# Questions to the Community

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- ⦿ Are the SSAC publications accessible and understandable:
  - ⦿ How is the length (long, short, just right?)
  - ⦿ How is the level of detail?
  - ⦿ Do the publications reach their audience?
- ⦿ How can the SSAC do a better job for the community?
- ⦿ What can the SSAC do differently?
- ⦿ What topics would you like SSAC to consider as a work item?

# Thank you