

Security & Stability Advisory Committee Public Meeting

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Topics

1. SSAC Membership
2. Recent Publications
3. 2012 Work Plan
4. Key Messages

SSAC Membership

- Members as of 16 March 2012: 38*
- Changes in 2012:
 - 2 New Members and 1 Departing Member
- Changes in 2011:
 - 4 New Members and 4 Departing Members
- Changes in 2010:
 - 5 New Members and 5 Departing Members
 - ICANN Bylaws change appointing members to staggered terms of 1, 2, and 3 years, which necessitates an Annual Review Process to reappoint members when their terms end

*Pending Board new appointments

Recent Publications

Published in 2012:

- [SAC053] SSAC Report on Dotless Domains
- [SAC052] SSAC Advisory on Delegation of Single-Character Internationalized Domain Name Top-Level Domains

Published in 2011:

- [SAC051] SSAC Report on WHOIS Terminology and Structure
- [SAC050] SSAC Advisory on DNS Blocking - Benefits Versus Harms
- [SAC049] DNS Zone Risk Analysis
- [SAC048] SSAC Comment on the Definition of Orphan Glue
- [SAC047] SSAC Comment on the ICANN gTLD Registry Transition Processes Model

2012 Work Plan

Current Work Parties/Working Groups/ Committees

- Membership Committee
- Internationalized Registration Data Working Group (IRD-WG)
- Domain Name System (DNS) Security and Stability Analysis Working Group (DSSA-WG)
- Impact of DNS Blocking Work Party
- Root Key Rollover Work Party

2012 Work Plan, Cont.

- Public Meetings and Collaboration
 - Regular meetings with law enforcement agencies
 - Briefings to Supporting Organizations and Advisory Committees at ICANN meetings
 - Briefings with other community groups as requested
- Other Work Parties Identified for Future Work:
 - Public interest (No Fee) Domain Holding Pen
 - Security and Stability Issues Relating to New gTLDs
 - Deployment of IPv6 in addition to IPv4

Key Messages: SAC050 Blocking

- Consider the possible harm that an intervention might cause.
- Do not adversely affect Internet users outside of the organization's policy domain.
- All technical approaches to DNS blocking and attempts to circumvent will impact:
 - Security and/or stability of users and applications; and
 - Coherency or universal resolvability of the namespace.

Key Messages: SAC051 WHOIS Taxonomy

The ICANN community should:

1. Adopt the terminology outlined in SAC051.
2. Evaluate and adopt a replacement domain name registration data access protocol that supports the query and display of Internationalized Domain Name Registration Data (DNRD) as well as addressing the relevant recommendations in SAC 003, SAC 027 and SAC 033.
3. Develop a uniform and standard framework for accessing DNRD that would provide mechanisms to define and implement a range of verification methods, credential services, and access control capabilities.

ICANN Proposed Roadmap to Implement SAC 051

- **28 October 2011 Board Directs ICANN Staff to:**
 - Produce, in consultation with the community, a roadmap for the coordination of the technical and policy discussions necessary to implement the recommendations outlined in SAC 051.
 - Forward SAC 051 to ICANN's Advisory Committees and Supporting Organizations for their advice, if any, with regards to implementing the SSAC recommendations, and to forward SAC 051 to the Whois Review Team.
- **18 February 2012:**
 - Draft roadmap posted for public comment at: <http://www.icann.org/en/news/public-comment/sac-051-draft-roadmap-18feb12-en.htm>
- **15 March 2012:** Public Workshop “Replacement of WHOIS,” Boungainvillea Room, 1300-1400

Key Messages: SAC 052 SSAC Advisory on Delegation of Single-Character IDN TLDs

- The SSAC recommends a very conservative approach to the delegation of single-character IDN top-level domains.
 - Delegation of all single-character IDN TLDs in all scripts should be *disallowed* by default.
 - Exceptions may be made for some scripts, but only after careful consideration of potential confusability both within and across scripts.
- ICANN should review the Findings of this report, and any policies that it adopts in response to Recommendation 1, no later than one year after the three work items mentioned above have been completed.

Key Messages: SAC 053 Dotless Domains

Dotless domains will not be universally reachable, and the SSAC recommends strongly against their use. The SSAC also recommends that the use of DNS resource records such as A, AAAA, and MX in the apex of a Top-Level Domain (TLD) be contractually prohibited where appropriate and strongly discouraged in all cases.

Questions