



SSAC Public Report SSAC Activities at ICANN Meeting 21-25 June 2010, Brussels, Belgium July 2010

What is the SSAC?

The Security and Stability Advisory Committee advises the ICANN community and Board on matters relating to the security and integrity of the Internet's naming and address allocation systems. This includes operational matters (e.g., matters pertaining to the correct and reliable operation of the root name system), administrative matters (e.g., matters pertaining to address allocation and Internet number assignment), and registration matters (e.g., matters pertaining to registry and registrar services such as WHOIS). SSAC engages in ongoing threat assessment and risk analysis of the Internet naming and address allocation services to assess where the principal threats to stability and security lie, and advises the ICANN community accordingly.

Introduction

This is an **SSAC Public Report on the SSAC Activities at the ICANN Meeting from 21-25 June 2010, in Brussels, Belgium**. It is divided into the following sections: **SSAC Meetings** and **SSAC-Related Meetings**.

The first section describes the SSAC meetings held at the ICANN Meeting in Brussels. The second section describes other meetings held in Brussels that are related to SSAC activities or to the security and stability of the Internet.

Feedback on this content, process and format are welcome. Full information on the Committee and its completed reports is on the ICANN web site at <http://www.icann.org/committees/security>. This report is suitable for general distribution and will also be available on the SSAC web site.

Steve Crocker,
Chair, Security and Stability Advisory Committee

SSAC Meetings

Security and Stability Advisory Committee (SSAC) Open Meeting, 22 June 2010

Description: This is a public presentation of the work of the SSAC.

Presentations: <http://brussels38.icann.org/meetings/brussels2010/presentation-ssac-22jun10-en.pdf>

Audiocast: <http://audio.icann.org/meetings/brussels2010/ssac-open-22jun10-en.mp3>

Agenda:

1. **Update on A Registrant's Guide to Protecting Domain Name Registration Accounts:** The SSAC has formed a Work Party to develop a report describing measures a registrant should consider to protect domain name registration accounts against misuse.
2. **Stability of the Root Level of the Domain Name System (DNS):** A discussion of the potential impact on the stability of the root level of the Domain Name System (DNS) when IPv6 address records, IDN (Internationalized Domain Name) top level domains (TLD), other new TLDs, and new resource records to support DNS security (DNSSEC) are added to the root zone.
3. **Orphaned DNS Records:** Orphaned DNS records are name server records that exist in delegation, but whose parent domain names no longer exist. The issue of concern is that orphaned DNS records can be maliciously abused. The SSAC has formed a Work Party to study this issue.
4. **Update on SSAC Review:** As part of its program of Organizational Reviews, ICANN has undertaken a review of the SSAC. This is an update on SSAC improvements resulting from the review. The full review is published at: <http://www.icann.org/en/reviews/ssac/ssac-review-wg-final-report-29jan10-en.pdf>.

SSAC Meetings, Continued

Domain Name System Security (DNSSEC) Workshop, 23 June 2010

Description:

DNSSEC is happening! Major top-level domains and the root are on the cusp of being signed and DNSSEC deployment is accelerating. This session was a public presentation from those actively engaged in the deployment of DNSSEC. The meeting began with two in-depth panel discussions on operational issues related to the deployment of DNSSEC. The panel discussions focused on operational issues for registries and registrars as well as for ISP's and DNS resolvers. Topics included technical issues, such as transfers of DNSSEC domains and key rollovers, as well as issues related to the business case of DNSSEC deployment and possible barriers to adoption, such as the uptake of validating resolvers. The panel discussions were followed by an overview of open source DNSSEC tools as well as updates on regional and worldwide DNSSEC deployment activities. The meeting culminated with an extensive presentation and discussion of the implementation of DNSSEC at the root.

Presentations: Available at <http://brussels38.icann.org/node/12491>

Audiocast: <http://audio.icann.org/meetings/brussels2010/dnssec-1-23jun10-en.mp3> and <http://audio.icann.org/meetings/brussels2010/dnssec-2-23jun10-en.mp3>

Agenda:

1. Overview of DNSSEC Deployment Around the World
2. Operational Issues with DNSSEC
 - o Draft Request for Comment on DNSSEC Policy & Practice Statement
 - o Obtaining and Maintaining Data
 - o Using Data and Getting it Out – ISP and Resolver Issues, Moderator, Russ Mundy
3. DNSSEC Tool Development
4. Activities from the Region:
5. Completing the DNSSEC Chain of Trust
6. Implementation of DNSSEC at the Root

Internationalized Registration Data and Inventory of WHOIS Service Requirements Forum, 24 June 2010

Description:

This forum addressed two important issues: the internationalization of registration data and an Inventory of WHOIS Service Requirements. With respect to the first issue, support for characters from local languages in domain name registration submission and display is an issue that affects many ICANN stakeholders, including the GNSO, CCNSO, ALAC and GAC. Collaboration across this large, diverse community is vital to defining a suitable, scalable solution. In its resolution on 26 June 2009, the ICANN Board requested that the GNSO and SSAC, in consultation with staff, convene an Internationalized Registration Data Working Group (IRD-WG) comprised of individuals with knowledge, expertise, and experience in these areas to study the feasibility and suitability of introducing display specifications to deal with the internationalization of Registration Data. The IRD-WG has been considering several questions relating to the internationalization of registration data and will present a draft of a preliminary approach for discussion. With respect to the second issue, on 26 March ICANN staff submitted a WHOIS Service Requirements Initial Report to the ICANN community for consideration. At this public forum staff and members of the ICANN community presented the comments on the Report received from the GNSO, the SSAC, the ccNSO, and others.

Presentations: <http://brussels38.icann.org/meetings/brussels2010/presentation-ird-whois-24jun10-en.pdf> and <http://brussels38.icann.org/meetings/brussels2010/presentation-draft-final-inventory-whois-reqs-23jun10-en.pdf>

Transcript: <http://brussels38.icann.org/meetings/brussels2010/transcript-ird-whois-24jun10-en.txt>

Agenda:

1. Presentation and discussion of IRD-WG Draft of Possible Approaches
2. Presentation and discussion of Inventory of WHOIS Service Requirements

SSAC-Related Meetings

DNS Vulnerabilities and Risk Management: A Discussion with the Experts

Description: DNS Systemic Vulnerabilities and Risk Management: A Discussion with the Experts – The experts on the panel – Whit Diffie; Steve Crocker, Dan Kaminsky and Paul Mocakpetris – provided their views on the systemic risks facing the DNS and provide thoughts on measures the ICANN community should take to remediate the risks. ICANN CEO and President Rod Beckstrom moderated the discussion.

Transcript: <http://brussels38.icann.org/meetings/brussels2010/transcript-dns-vulnerabilities-21jun10-en.txt>

Update on ICANN Security, Stability, and Resiliency (SSR) Efforts, 24 June 2010

Description: Consultation on Security Strategic Initiatives - discussion of DNS Risk Assessment, DNS-CERT concept.

Presentation: <http://brussels38.icann.org/meetings/brussels2010/strategic-initiatives-ssr-23jun10-en.pdf>

Transcript: <http://brussels38.icann.org/meetings/brussels2010/transcript-strategic-initiatives-ssr-24jun10-en.txt>

Forum on Domain Name System (DNS) Abuse, 24 June 2010

Description: This Forum was the fourth in a series where the different stakeholders affected by DNS Abuse can share information and ideas for responding to such abuse.

Presentations: Available at <http://brussels38.icann.org/node/12513>

Transcript: <http://brussels38.icann.org/meetings/brussels2010/transcript-forum-dns-abuse24jun10-10.txt>