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 an **SSAC Public Report on the SSAC Activities at the ICANN Meeting from 7-12 March 2010, in Nairobi, Kenya**. It is divided into the following sections: **SSAC Meetings** and **SSAC-Related Meetings**.

The first section, **SSAC Meetings**, describes the planned SSAC meetings scheduled at the upcoming ICANN meeting. The second section, **SSAC-Related Meetings**, describes all other meetings 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
When and Where: Tuesday, 09 March 2010, 1400 to 1530 Nairobi, 1100 to 12:30 UTC, Batian Room, First Floor, The Kenyatta International Conference Centre, Nairobi, Kenya; remote access: http://nbo.icann.org/node/8920.

What It Is: This session is the public presentation of the work of the SSAC.
Why It Is Important: The SSAC's work is primarily concerned with security and stability issues of the Internet's naming and address allocation systems.
Who Should Attend: The public is invited to interact with SSAC members with questions and comments.

Agenda:

1. **Report on the Activities of the Internationalized Registration Data Working Group: (IRD-WG):** The IRD-WG was created in response to community concerns that the current WHOIS service is deficient in a number of ways, including technical areas as noted in an SSAC report titled SAC037 *Display and usage of Internationalized Registration Data.* See http://www.icann.org/en/committees/security/sac037.pdf.)

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 will be a brief overview of the results of 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

Where and When: **Wednesday, 10 March 2010, 0900 to 1200 Nairobi, 0600 to 0900 UTC**, Aberdere Room, Lower Ground Floor, The Kenyatta International Conference Centre, Nairobi, Kenya; remote access: http://nbo.icann.org/node/8924.

What It is: The Security and Stability Advisory Committee (SSAC) actively works to facilitate the deployment of DNSSEC. This session is a public presentation from those actively engaged in the deployment of DNSSEC. The meeting starts with an update on the deployment of DNSSEC at the root and will then focus on operational issues related to the deployment of DNSSEC both for registries and registrars. Topics that will be explored in depth are: Transfers of DNSSEC domains and Key Rollovers. In the last part of the workshop an overview of open source DNSSEC tooling will be presented as well as an update in DNSSEC deployment at different TLDs. The workshop also will include an update on the worldwide deployment of DNSSEC.

Why It Is Important: Registries, registrars, and others who plan to deploy DNSSEC services will benefit from the presentation and discussion of the deployment experience. Many TLDs are planning to deploy DNSSEC in the next two years and we anticipate that they will encounter similar operational issues including transfers of DNSSEC domains, key rollovers, and the use of tooling for automation of processes. These key operational issues will be discussed during the workshop in depth and all those involved in DNSSEC deployment will share experiences.

Who Should Attend: Anyone with an interest in the deployment of DNSSEC, particularly registry and registrar representatives with technical, operational, and strategic planning roles.

Agenda:
1. **Implementation of DNSSEC at the Root:** A status of the implementation of DNSSEC at the root provided by NTIA, VeriSign, and ICANN
2. **Operational Issues with DNSSEC:** Presentations on Transfers and Key Rollovers. Topics include language and role descriptions for registrars and DNS operators; child to parent DS submission; key re-use and key roll-overs; and advantages and disadvantages for technology impact and the balance between different solutions.
3. **DNSSEC Tool Development:** Presentations on open Source Tools an Open DNSSEC
4. **Activities from the Region:** Update on DNSSEC deployment in the region and globally.
5. **Extending DNSSEC Deployment:** Update on DNSSEC deployment by Registries and Registrars

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SSAC-Related Meetings

Update to the ICANN Governmental Advisory Committee (GAC) on Security Related Issues

When and Where: Tuesday, 09 March 2010, 1045 to 1230 Nairobi, 0745 to 0930 UTC, Lenana Room, Lower Ground Floor, The Kenyatta International Conference Centre, Nairobi, Kenya; remote access: http://nbo.icann.org/node/8939.

What It is: The GAC will be receiving security related briefings from ICANN Staff, the Security and Stability Advisory Committee (SSAC) and the Root Server System Advisory Committee (RSSAC).

Why It Is Important: Security, stability and resiliency are important issues for the GAC and these briefings provide an opportunity to discuss with relevant community experts.

Who Should Attend: GAC representatives. The public may attend but may not contribute to the discussion.

Final Working Group (WG) Reports of the ICANN Board, ICANN Nominating Committee (NomCom) and Security and Stability Advisory Committee (SSAC) Reviews

When and Where: Wednesday, 10 March 2010, 1300 to 1400 Nairobi, 1000 to 1100 UTC, Lenana Room, Lower Ground Floor, The Kenyatta International Conference Centre, Nairobi, Kenya; remote access: http://nbo.icann.org/node/8884.

What It Is: This is the public presentation of the final reports of: the Board review WG, the NomCom finalization review WG and the SSAC review WG.

Why It Is Important: The final reports have now been forwarded to the Board Structural Improvements Committee with a view to issuing recommendations to the Board on implementation activities. This workshop represents a last opportunity for interested parties to offer comments.

Who Should Attend: Members of the Board and of the Structural Improvements Committee, Members of the SSAC Community, Members and past Members of the Nominating Committee, Members of the ALAC/At-Large communities, as well as any other interested party.

SSAC-Related Meetings, Continued

Zone File Access (ZFA) Advisory Group

When and Where: Wednesday, 10 March 2010, 1400 to 1530 Nairobi, 1100 to 1230 UTC, Impala Room, First Floor, The Kenyatta International Conference Centre, Nairobi, Kenya; Remote access: http://nbo.icann.org/node/8876.

What It Is: The ZFA Advisory Group meeting will provide a current status of the ZFA program, including key materials developed and decisions made/pending regarding the publication of a daily zone file. This work is being done to support the goal of mitigating malicious conduct in new gTLDs.

Why It Is Important: This will allow the group to review milestones achieved to date and to plan and publish new milestones to deliver for the ICANN Brussels meeting in June 2010.
Who Should Attend: Members of the ZFA Advisory Group and other interested parties.

Registration Abuse Policies Initial Report Information Session

When and Where: Wednesday, 10 March 2010, 1600 to 1730 Nairobi, 1300 to 1430 UTC, Tsavo A Room, Ground Floor, The Kenyatta International Conference Centre, Nairobi, Kenya; Remote access: http://nbo.icann.org/node/8878.

What It Is: This is a public information session on the Registration Abuse Policies Initial Report that has been developed by the GNSO Registration Abuse Policies Working Group.

Why It Is Important: The Generic Names Supporting Organization (GNSO) Registration Abuse Policies Working Group was formed to investigate issues such as the difference between registration abuse and domain name use abuse; the effectiveness of existing registration abuse policies; and which areas, if any, would be suitable for GNSO policy development to address. The WG has now published its Initial Report and is requesting Community input on its findings and recommendations before finalizing the report.
Who Should Attend: Anyone interested in registration abuse.

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

When and Where: Wednesday, 10 March 2010, 1600 to 1700 Nairobi, 1300 to 1400 UTC, Impala Room, First Floor, The Kenyatta International Conference Centre, Nairobi, Kenya; Remote access: http://nbo.icann.org/node/8874.

What It is: This session is for an update on ICANN's efforts in Security, Stability & Resiliency since the Seoul meeting, and to highlight key initiatives underway.

Why It Is Important: This session will provide the community with an opportunity to interact with ICANN's Security Group on the current efforts related to Security, Stability & Resiliency of the DNS, and to provide input on several projects identified for the upcoming 2010 SSR Plan.
Who Should Attend: The meeting is open to anyone, but particularly people who are interested in Internet security, cyber security, and technical issues related to the DNS.

High Security Zone (HSTLD) Advisory Group

When and Where: Thursday, 11 March 2010, 1400 to 1530 Nairobi, 1100 to 1230, Tsavo A, Ground Floor, The Kenyatta International Conference Centre, Nairobi, Kenya; remote access: http://nbo.icann.org/node/8875.

What It Is: The High Security Zone Advisory Group meeting will provide a current status of the HSTLD program, including materials developed since the initial HSTLD concept paper was created. In addition, the meeting will focus on the next milestones for the advisory group to prepare for the ICANN meeting in Brussels.

Why It Is Important: It will allow group to review milestones achieved to date and to plan and publish new milestones to deliver for the Brussels meeting. This work is being done to support the goal of mitigating malicious conduct in new gTLDs. Mitigating malicious conduct is one of the overarching issues in the new gTLD program.
Who Should Attend: HSTLD Advisory members and other interested parties.

Forum on Domain Name System (DNS) Abuse

When and Where: Thursday, 11 March 2010, 1600 to 1800 Nairobi, 1300 to 1500, Tsavo A, Ground Floor, The Kenyatta International Conference Centre, Nairobi, Kenya; remote access: http://nbo.icann.org/node/8917.

What It Is: Abuse of the DNS affects many ICANN stakeholders, from consumers and businesses that are targets of abuse, to third parties that provide the services criminals and fraudsters use to commit these offenses.

Why It Is Important: The Forum enables different stakeholders affected by DNS Abuse to share information and ideas for responding to such abuse.