



Security, Stability & Resiliency of the DNS Review Team

Wednesday, 8 December 2010



- *Mandated by Affirmation of Commitments*
- *Commitment: “Preserving security, stability and resiliency of the DNS”*
- *“Particular attention will be paid to:*
 - *security, stability and resiliency matters, both physical and network, relating to the secure and stable coordination of the Internet DNS;*
 - *ensuring appropriate contingency planning; and*
 - *maintaining clear processes.*
- *Each of the reviews conducted under this section will assess the extent to which ICANN has successfully implemented the security plan, the effectiveness of the plan to deal with actual and potential challenges and threats, and the extent to which the security plan is sufficiently robust to meet future challenges and threats to the security, stability and resiliency of the Internet DNS, consistent with ICANN's limited technical mission.”*

Team Composition

SO/AC Representatives

Alejandro Pisanty (MX) - ALAC

Anders Rafting (SE) - GAC

Bill Manning (US) - RSSAC

David Cake (AU) - GNSO

Hartmut Glaser (BR) - ASO

Jeff Brueggeman (US) - GNSO

Martin Hannigan (US) - SSAC

Ondrej Filip (CZ) - ccNSO

Rodney Joffe (US) - GNSO

Simon McCalla (UK) - ccNSO

Xiaodong Lee (CN) - SSAC

Team Composition

Independent Experts	Selectors' Designated Nominees
Andrea Rigoni (IT) Atif Nazar (PK) Paul Mockapetris (US)	Jeff Moss (US) Alice Munyua (KE)

Initial Work Breakdown

1. Review scope of ICANN's SSR responsibilities

Review scope of ICANN's SSR responsibilities as articulated in the mission statement and core values from the bylaws, as well as the current SSR Strategy Plan, as a starting point.

- Based on this review, develop questions for the community about what should be within the scope of ICANN's responsibilities and what should not be included.
- Review ICANN's arrangements with root zone server operators. Identify other arrangements that should be examined (e.g., registry arrangements).
- Review public comment proceeding on DNS CERT proposal.

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no. 39 5 - 10 December 2010



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Initial Work Breakdown

2. Risk landscape

What is the process in place for ensuring that risks are identified and analyzed? Review any SSAC and RSSAC activity in this area.

- Review draft charter of the newly established Joint DNS Security and Stability Analysis Working Group, which is identifying the risks to the DNS and identifying any gaps.
- Review existing ICANN materials that discuss existing and emerging risks.
- Note that the WHOIS Review Team is addressing the question of whether WHOIS implementation is meeting the needs of law enforcement and promotes consumer trust.
- Analyze the risk landscape more broadly, including issues that are not within the scope of ICANN's responsibilities. These issues are relevant to ICANN's risk assessment and contingency planning processes.

Initial Work Breakdown

3. ICANN's SSR strategic plan

Review existing SSR Strategic Plan based on our review of ICANN's scope of responsibilities and the risk landscape.

- Review ICANN process for developing, reviewing and continuously updating the SSR strategic plan.
- Review contingency planning process and materials, including after-action reports.

Initial Work Breakdown

4. Implementation

ICANN organization. Review how SSR issues are managed in the budgeting and policymaking processes, including input from SSAC and RSSAC. Review root zone scaling study as an example of ICANN proactively conducting an SSR assessment.

- ICANN arrangements with root zone server operators. Review information about ICANN's arrangements with root zone server operators. Review the overall system from a security perspective.
- Contracted parties. Review agreements with contracted parties and potential SSR issues, such as contract enforcement and abuse.



Interaction with the Community

- Publication of documents
- Questions asked
- Public Comment periods
- High level of trust and cooperation expected



Thank You!

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Questions ?



no. 39 5 - 10 December 2010



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