Security and Stability Advisory Committee (SSAC)

• External group of security experts
• Chartered by the ICANN Board
• Gives independent advice to...
  – Board, staff and other ICANN SOs and ACs
  – to community
• No authority – purely advisory

(External review of SSAC in progress)
Recent SSAC Documents

• [SAC038]: Registrar Abuse Contacts (26 February 2009)
• [SAC037]: Whois Usage and Display (pending)
• [SAC036]: SSAC Comments on the Draft ICANN Strategic Plan for 2009-2012 (11 February 2009)
Agenda

• Introduction
• Short Reports
• DNSSEC Status Update
• Registration Abuse Contact Info
  – Dave Piscitello
• Whois Display/Usage in other scripts
  – Ram Mohan
Related Meetings

• DNSSEC Workshop
  – Wednesday 9:00 – 12:30, Don Diego 3

• External Review of SSAC
  – Thursday 8:00 – 9:30, Don Diego 2
Short Reports

• Protecting High Value Domains
• Study of Scaling the Root
• Comments on ICANN’s Strategic Plan
• Fast Flux Activities Update
Protecting High Value Domains

• Multiple incidents involving weaknesses at registrars
• High value domains are targets through registrars as well as through direct means
• Advice to both registrars and registrants re stronger controls compared to mass market controls

• This is work in progress
Root Scaling Study

• Board asked RSSAC and SSAC to study effects of growing the root combined with complexity of IDN, IPv6 and DNSSEC
• Formal study, with external support, being organized
• Steering committee of RSSAC, SSAC and ICANN Staff
• Just starting
Comments on the Strategic Plan (1)

• Re new gTLDs, need to study impact of scaling and complexity. (Now started)
• Re Enhance security, stability and resiliency of the Internet’s unique identifiers, concerns about mission creep and appearance this is a new mission.
• Re IPv4 depletion and IPv6 adoption, ICANN has a useful but limited role
Comments on the Strategic Plan (2)

• Re Improve confidence in the gTLD marketplace, protect registrations, not just continuity of operation
• Re Strive for excellence in core operations, document root update process, including metrics
• Re Strengthen processes for developing policy, improve use of technical advice to under both limits and possibilities
Fast Flux Activities

• Participation in GNSO Fast Flux WG
• Collaboration with APWG, ISOI, RISG, et. al. to
  – Expand our knowledge of current flux hosting techniques
  – Broaden our understanding of emerging botnet-based attack techniques
  – Consider ways to improve information sharing among parties who monitor attacks
• Ongoing effort in areas of education and awareness
  – ALAC, invited conference participation