ICANN Strategic Initiatives for Security, Stability and Resiliency

See postings at
http://www.icann.org/en/public-comment/

Background

- Growing risks to DNS security and resiliency
  - Emergence of Conficker; growing domain hijacking
- Community calls for systemic DNS security planning and response
- ICANN commitments under Affirmation of Commitments
- Initiatives called for in ICANN 2010-2013 Strategic Plan

Organizational/resource approaches not predetermined

Initiative #1 – System-wide DNS Risk Analysis; Contingency Planning; Exercises

- Envisaged as a Community-based effort; supported by ICANN

- Risk framework and regular risk assessment

- Root sever information sharing system
  - Based on concerns raised in root scaling study

- Contingency planning based on key scenarios

- Initiate a system-wide DNS exercise program
  - Build on existing efforts

Initiative #2 – DNS CERT
(Computer Emergency Response Team)

- Validated need for standing collaborative response capability to address systemic threats/risks
  - Full-time/global; coordinate existing capabilities; serve all stakeholders especially less resourced operators
- Operational focus determined in engagement with stakeholders and leveraging existing efforts
  - Fostering situational awareness; incident response assistance /coordination; support efforts under Initiative #1

More fully developed DNS CERT Business Case posted along with Strategic Initiatives paper

Way Forward on Security Initiatives

- Seek community feedback
  - Consultation occurred Monday at Nairobi meeting
- Address organizational and funding approaches

On-Going ICANN SSR Activities

- Working closely with FIRST and national CERT community
  - Joint session; 35 students; help set up East African CERT
  - Plan survey on ccTLD – national CERT collaboration
- Continue ccTLD training program in association with regional TLD regional associations
  - Technical training here involved 25 people; 8 cc TLDs
- Still engaged in containing spread of Conficker worm
- Revising *ICANN Plan for Enhancing Internet Security, Stability and Resiliency*; basis for upcoming Affirmation of Commitments review