

ICANN Security, Stability & Resiliency Briefing

22 June 2011



Overview

- ICANN's Security Team
- Introducing Jeff Moss
- FY 12 SSR Framework & community inputs received
- Priorities for FY 12
- Questions



ICANN Security in Singapore

- Jeff Moss
- John Crain
- Patrick Jones
- Dave Piscitello



Ecosystem & ICANN's role

- ICANN Operations
 - Internal IT, L-root, DNS Operations, IANA, Compliance, String Evaluation, Meetings logistics, Administration & Finance, among other areas
- ICANN as a coordinator, collaborator, facilitator with the community
 - Policy coordination, secretariat support, subject matter expert involvement, contributor on protocol development, engagement with the greater Internet community, including the technical community
- ICANN as an observer on the activities of others in the global Internet ecosystem



FY 11 Security Team Core Areas

- Global Security Outreach (Engagement, Awareness with the Global Community and greater ICANN Community)
- Security Collaboration
- DNS Capability Building
- Corporate Security Programs (includes ICANN Information Security, Meetings, Physical & Personnel Security), Business Continuity, Risk Management
- Cross-Organizational Support (includes new gTLDs, IDNs, DNSSEC, Policy Development, Compliance, Global Partnerships/Government Affairs)



Major Activities from FY 11

- DNSSEC implementation in the root
- Continuity exercises (international & internal)
- Community efforts on DNS threats, risks and gaps (DSSA)
- Support to New gTLD program, IDN initiatives
- Greater engagement with law enforcement & security community at SFO & after
- Facilitating DNS-OARC meeting at SFO
- DNS measurement & metrics tools (RIPE Labs' ATLAS)



FY 12 SSR Areas

Global Security Outreach

DNS Capability Training

Collaboration

Corporate & Internal Security

Cross-Organizational Activities



FY 12 SSR Framework

FY 12 SSR Framework

- Part A – ICANN's role in SSR and the Internet ecosystem
 - [العربية](#) [PDF, 1.19 MB]
 - [中文](#) [PDF, 937 KB]
 - [English](#) [PDF, 887 KB]
 - [Français](#) [PDF, 862 KB]
 - [Español](#) [PDF, 1.05 MB]
 - [Русский](#) [PDF, 944 KB]
- Part B – FY 12 Module – Operational Priorities, Collaboration Areas, Awareness
 - [العربية](#) [PDF, 852 KB]
 - [中文](#) [PDF, 309 KB]
 - [English](#) [PDF, 259 KB]
 - [Français](#) [PDF, 265 KB]
 - [Español](#) [PDF, 287 KB]
 - [Русский](#) [PDF, 310 KB]
- [Combined PDF version](#) (EN) [PDF, 11.01 MB]

Previous SSR Plans

- [FY 11 SSR Plan, clean version final](#) (23 Nov 2010) [PDF, 1.49 MB]
- [FY 10 Plan for Enhancing Internet Security, Stability & Resiliency](#) (May 2009)



Components of a New Framework

Part A

- Foundational Section – Mission, Core Values, Affirmation
- Ecosystem and ICANN's role

Part B – Fiscal Year 12 Module

- Categories of Action
- Strategic Projects; Community Work
- Organizational/Staff Program Areas



Consultations April-June 2011

- SSAC
- At Large community briefing
- ccNSO Work Team call
- Comments & Responses with Registry Stakeholder Group
- Law enforcement & security experts
- Business & government



Key Themes from Comments

- General support for new format and simultaneous posting in 5 UN languages
- ccNSO & RySG requested an improvement on definitions in SSR Framework and precision on describing ICANN's remit
- Support for an environmental scan to assess current Internet security ecosystem and involve the broader Internet community (including enterprise users, Internet & government entities in that work)



Community Engagement on SSR

- DNS Security & Stability Analysis Working Group
 - Charter approved at Cartagena meeting in Dec 2010
 - WG composed of ALAC, ccNSO, GNSO, NRO, GAC, SSAC reps and other experts
 - Undertaken & led by community representatives
 1. WG will examine actual level, frequency and severity of threats to DNS
 2. The current efforts and activities to mitigate these threats
 3. The gaps (if any) in the current security response to DNS issues



More Information:
icann.org/en/security

