ICANN Security, Stability and Resiliency Outreach
Meet the SSR Team
We’ve Grown!

• John Crain - Chief Security, Stability and Resiliency Officer
• Dave Piscitello - Vice President, Security and ICT Coordination
• Carlos Alvarez - SSR Technical Engagement Sr. Manager
• Steve Conte - Training Coordination Sr. Manager
• Rick Lamb - Sr. Program Manager DNSSEC
• Tomofumi Okubo – Identifier Systems Analytics Manager
• Champika Wijayatunga - Regional SSR Engagement Manager, APAC

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What We Do
Our Remit

• Responsible for observing, assessing and improving the SSR of the Internet’s Identifier Systems in close collaboration with other ICANN departments and the community at large.

• Remit achieved through a range of activities including:
  o Risk awareness and preparedness
  o Measurement and analysis of identifier systems behaviors or performance
  o Cooperative outreach that emphasizes coordination, capability building and knowledge transfer
Functional Areas

- Threat Awareness & Preparedness
- Trust-based Collaboration
- Identifier SSR Analytics
- Capability Building
Identifier Systems Threat Awareness
Identifier Systems Threat Awareness

• Active (24x7) engagement with global actors who monitor DNS health or identify imminent threats

• Exchange of threat intelligence relating to security events of global nature involving identifier systems

• Participation in response to threats or attacks against identifier systems
SSR Research & Analytics
Identifier SSR Analytics

• Develop metrics and analytics for identifier systems, e.g.,
  o Root system measurements, analysis
  o Analysis of DNS or registration abuse or misuse
  o Creative uses of DNS data

Metrics
  • Root System analytics
  • Incidents
  • Abuse/Misuse
Trust-based Collaboration
Trust-based Collaboration

- Global Cybersecurity cooperation
  - Coordinate engagement and cybersecurity through ICANN Global Stakeholder Engagement

- Global Security & Operations
  - Daily interaction on DNS abuse/misuse matters with Public Safety Community
  - Cooperation with DNS research activities

- Identify policies that have unintended consequences that create opportunities for misuse of DNS or registration services

Trust-based Collaboration

Global SecOps
- AntiPhishing
- Antispam
- Anticrime
- Operations Research

Global CyberSec
- CCI
- OECD
- Many others
Capability Building
Capability Building

- DNS Training
  - Security, operations, and DNSSEC deployment training for TLD registry operators
  - Boot camp for ICANN staff
  - Information gathering to identify DNS abuse/misuse
  - Delivered by contracted parties, ICANN staff (digital delivery under study)

- Knowledge Transfer
  - Europol
  - Interpol
  - RIRs

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Audience

- ccTLD Registry Operators
- Registrars
- Operational Security and Public Safety Community
- Technical Community
- Audiences as identified by other parts of ICANN such as Global Stakeholder Engagement
Want Training at Your Event?

- Speak to your ICANN Regional VP or SSR staff for a full list of available training – the sooner the better!
  - Even if you don’t know exact dates, start the conversation and let’s work on getting training at your event
  - Allows for better budgeting and planning for SSR resources
What Are We Missing?

What kinds of training is important to your community that ICANN isn’t offering right now?

• SSR is working on a Gap Analysis to evaluate current courses and trying to determine what we’re missing

• Find Steve Conte this week and/or send an email to steve.conte@icann.org

We want to know what you think!
Questions & Answers

• Contact us:
  o John.Crain@icann.org
  o Dave.Piscitello@icann.org

• For training requests please contact a member of ICANN’s Global Stakeholder Engagement team