Second Security, Stability, and Resiliency (SSR2) Review Team

ccNSO Engagement Session @ ICANN65 Marrakech
June 2019
Our Work

We are addressing relevant mandates of ICANN’s Bylaws as they relate to the following key areas. All considerations will be investigated and analyzed with a clear intent to produce specific, measurable, attainable, relevant, and time-based (SMART) recommendations that fall within ICANN’s purview:

1. ICANN’s implementation of 28 SSR1 recommendations from 2012
2. ICANN’s key security, stability, and resiliency activities
3. Activities that impact the SSR of the Domain Name System (that ICANN contributes to/facilitates)
4. Challenges to the secure and resilient operation of the unique identifiers system
Where We Are Today

✓ Completed our assessment of ICANN's implementation of SSR1 recommendations from 2012
  ✓ Drafted summary of key findings and assembled draft recommendations

✓ Detailed the scope items for our remaining areas of focus, as guided by ICANN's Bylaws

✓ Identified additional information needed to advance our work and documented questions for the ICANN organization on each topic

At ICANN65:

• Continue drafting key findings and consolidating recommendations

• Conduct further information gathering as necessary
ICANN ORG key security, stability, and resilience activities

- ICANN's information security management system
- ICANN's business continuity management system
- ICANN's risk management methodology and framework
- Security incident management and response processes
- Vetting of registry operators and services
- ICANN's operating processes and services
- Compliance processes and procedures
Workstream 3 Scope Items

**Activities that impact the SSR of the Domain Name System (that ICANN contributes to/facilitates)**

- Root zone management
- Root server system (eg. l-root)
- Alternate root deployment and co-existence
- SSR measurements
- Namespace abuse
Workstream 4 Scope Items

Challenges to the secure and resilient operation of the unique identifiers system

- Coalescence of registrars/registry/backend operators for multiple TLDs
- Access to data, info, research on important abuse/attack vectors
- New uses for DNS (IoT, etc.)
- Alternate naming systems (interactions, conflicts, etc).
- Root server system protection: assess the threatscape of top threats
- Privacy protections
Our Current Timeline? (to be updated)

- **By ICANN64**
  - Updated scope/ToR, work plan, outreach plan, gathering & assessing facts

- **ICANN64**
  - Gathering & assessing facts, begin creation of draft report, engagement with community & Board

- **May 2019**
  - F2F meeting, assemble draft findings and rec’s

- **ICANN65**
  - F2F meeting, presentation of draft findings and rec’s, engagement with community

- **August 2019**
  - Publish draft report for public comment period (40 days)

- **ICANN66**
  - Presentation of final report, community engagement, final delivery of report to Board
Where we are now (June 2019)

Activities between ICANN64 (Kobe) and ICANN65 (Marrakech)

- Ongoing drafting activities
- F2F meeting Brussels May 2019
- Onboarding of technical writer (mid May 2019)
  - Brussels + 2 weeks technical writer contract was terminated
  - New technical writer status pending
Your engagement requested

- This is a *community* review team, please share your views
- Send input via email to input-to-ssr2rt@icann.org (publically archived)
- Provide comments at engagement sessions and online
- Become an observer to our regular meetings - send an email to mssi-secretariat@icann.org to sign up
- Bookmark our wiki to follow our work and view meeting records: https://community.icann.org/display/SSR/SSR2+Review
Thank You & Questions
Background
Our Scope, Terms of Reference & Work Plan

- Adopted updated **work plan** in November 2018:
  - Shared with the community, Board & on wiki: [https://community.icann.org/x/O7jRAw](https://community.icann.org/x/O7jRAw)
  - Serves as a guide for our work
  - Evolves with our work and is updated as the work progresses

- Adopted updated **scope/Terms of Reference** in September 2018:
  - Shared with the community, Board & on wiki:
    [https://community.icann.org/display/SSR/Terms+of+Reference?preview=/66061139/93129027/SSR2-Terms%20of%20Reference-Final%202018-Sep-1%5B2%5D.docx](https://community.icann.org/display/SSR/Terms+of+Reference?preview=/66061139/93129027/SSR2-Terms%20of%20Reference-Final%202018-Sep-1%5B2%5D.docx)
  - Describes focus of our work, guided by ICANN’s mission and requirements of its Bylaws, Article 4, Section 4.6 (c)
  - Includes:
    - Timeline of the review milestones
    - Leadership & membership responsibilities
    - How we make decisions and conduct our work
    - Our commitment & plan for outreach
    - Work follows Bylaws: “ICANN's execution of its commitment to enhance the operational stability, reliability, resiliency, security, and global interoperability of the systems and processes, both internal and external, that directly affect and/or are affected by the Internet's system of unique identifiers that ICANN coordinates.”
Our Outreach Plan

Posted to our wiki here:
https://community.icann.org/pages/viewpage.action?pageId=64076120&preview=/64076120/95093400/Draft%20SSR2%20Communications%20%26%20Outreach%20Plan%20v2.docx

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<thead>
<tr>
<th>Key Milestone</th>
<th>Objective(s)</th>
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<tr>
<td>1. Adopted Terms of Reference &amp; work plan</td>
<td>Provide community with details on adopted Terms of Reference and work plan. Invite input.</td>
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<td>2. Fact finding &amp; ongoing work</td>
<td>Provide community with overview of work plan, information received/requested. Initial fact finding, as appropriate. Seek input.</td>
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<td>3. Initial findings</td>
<td>Provide community with overview of information received/requested, results of analysis, and set of initial findings. Seek input.</td>
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<td>4. Draft recommendations</td>
<td>Seek input from community, Board, org on draft recommendations.</td>
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<td>5. Final recommendations</td>
<td>Present final recommendations to community, Board, org.</td>
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<td>SO / AC Affiliation</td>
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Thank You & Questions