

Second Security, Stability and Resiliency Review (SSR2)

Plenary Meeting 21

1 August 2017



Draft Agenda

- ⦿ Updated SOIs & note apologies/absences
- ⦿ SSR1 implementation briefing: Recommendations 11, 12
- ⦿ Updates from subtopic teams (SSR1 Implementation, ICANN SSR, DNS SSR, Future Challenges, IANA Transition)
- ⦿ Confirm Abu Dhabi face-to-face meeting date and outreach approach
- ⦿ AOB

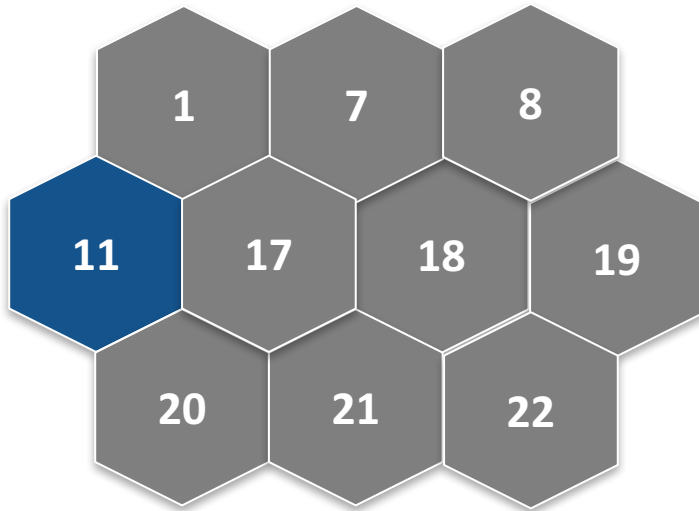
SSR1 Review Implementation



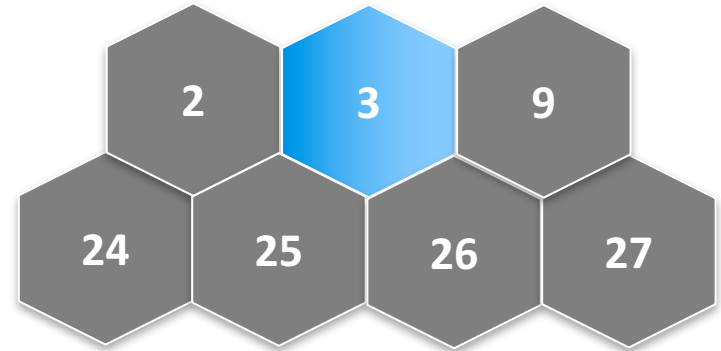
Briefing on SSR1
Recommendations

SSR1 Recommendations

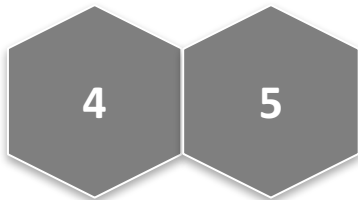
SSR Framework



ICANN's SSR Role & Remit Within It's Limited Mission



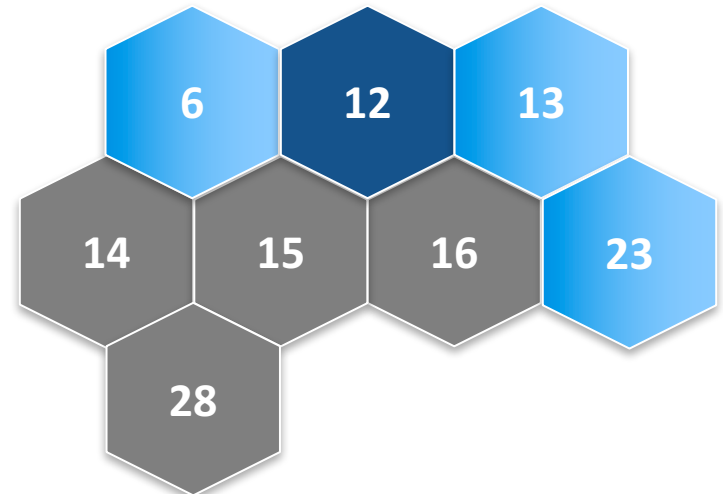
SSR Relationships to Support ICANN's Work






Compliance



SSR Community Outreach & Info Sharing – Security Threats & Mitigation



 Briefing completed  Briefing covered in this presentation  Briefing not presented yet

ICANN should finalize and implement measures of success for new gTLDs and IDN fast track that expressly relate to its SSR-related program objectives, including measurements for the effectiveness of mechanisms to mitigate domain name abuse.

11

ICANN should work with the Community to identify SSR-related best practices and support the implementation of such practices through contracts, agreements, MOUs and other mechanisms.

12

SSR1 Recommendation 11 – Status and Deliverables

ICANN should finalize and implement measures of success for new gTLDs and IDN fast track that expressly relate to its SSR-related program objectives, including measurements for the effectiveness of mechanisms to mitigate domain name abuse.

The challenge:

- Community-based definition of “success” with corresponding metrics that could serve as the basis for measurement doesn’t exist.
- Neither the GNSO (for the new gTLD program) nor the ccNSO (for the IDN ccTLD Fast Track program) has identified SSR-related objectives that apply specifically to those programs.

Suggestion:

- The issue of appropriate SSR metrics specific to the new gTLD program and the IDN ccTLD Fast Track be revisited by the second Security, Stability & Resiliency of the DNS Review Team (SSR2-RT)

How did we address Recommendation 11?

- To arrive at potential measures of success, this report:
 - Inventories a broad array of activities within ICANN as potentially relevant to supporting Recommendation 11
 - Categorizes a wide range of existing and potential metrics associated with inventoried ICANN activities which may be SSR-related

Operations Supporting SSR Objectives in New gTLDs

- Operations that support SSR objectives in new gTLDs are part of ICANN's SOP. Some examples are:
 - Service Level Agreements and monitoring
 - Emergency back-end registry operators and data escrow
 - DNSSEC-related activities
 - Compliance department activities

SSR1 Recommendation 12 – Status and Deliverables

ICANN should work with the Community to identify SSR-related best practices and support the implementation of such practices through contracts, agreements, MOUs and other mechanisms.

- Identify and/or establish “best practices,” and integrate those [best practices](#) into agreements into which ICANN enters.
- Emphasize SSR responsibilities and best practices in [Regional Engagement Strategies](#)
- Work with Anti-Phishing Working Group (APWG) Internet Policy Committee to publish recommendations for web application protection and development of resources for security awareness
- Maintain resource locator [page](#) to support ICANN community member security awareness.

Identifier System Attack Mitigation Methodology

- Community driven activity
- Mitigation methodologies for prioritized set of attacks
 - e.g., DDoS and BGP hijacking
 - Production of tech notes
- Tracking the evolution of the threat landscape and developing new mitigation methodologies
- The Identifier System Attack Mitigation Methodology report can be found at:
<https://www.icann.org/en/system/files/files/identifier-system-attack-mitigation-methodology-13feb17-en.pdf>

Regional Engagement Strategies

- Engagement strategy defined based on region
- Programmed approach to global outreach
 - Building local/regional awareness and recruitment of new community members;
 - More effectively engaging with current members and/or "reactivating" previously engaged ICANN community members; and
 - Communicating ICANN's mission and objectives to new audiences.

Additional information

Additional Information

[Security Stability and Resiliency Review \(SSR1\)](#)

[SSR1 Implementation Quarterly Reports](#)

[SSR2-RT information](#)

[SSR Framework](#)

[ICANN Planning Process](#)

[ICANN Operating Plan 2016 – 2020](#)

[ICANN Strategic Plan](#)

[Measures of success for new gTLDs and IDN fast track that expressly address SSR-related program objectives](#)

Updates from Subtopic Teams

Subtopic	Rapporteur	Volunteers
1. SSR1 Implementation	Alain	Denise, Alain, Ram Krishna
2. ICANN SSR	Boban	James, Denise, Boban, Noorul Ameen, Kerry-Ann, Žarko
3. DNS SSR	Geoff	Alain, Cathy, Matogoro, Ram Krishna, Geoff, Amin Hasbini, Žarko, Eric, Don, Boban, Denise
4. Future Challenges	Kerry-Ann	Kerry-Ann, Matogoro, Amin Hasbini, Noorul Ameen, Eric, Denise
5. IANA Transition	James	Cathy, James, Geoff, Eric

Abu Dhabi Dates & Outreach

- ⦿ Confirm SSR2 work meeting date(s)
 - 27 October tentatively scheduled for SSR2 Review Team face-to-face meeting

- ⦿ Determine outreach approach
 - SSR2 Review Team community engagement session
 - Ask for time on SO/AC, constituency group agendas

- ⦿ Team draft outreach list available on wiki (Google doc):
https://docs.google.com/document/d/1iqI-67lr-EydmPPJzsEeBO98X4jucgpFX3HaL_9Q-hc/edit?usp=sharing

Reminder: January Face-to-Face Meeting

Note January face-to-face meeting is confirmed as follows:

- ⦿ Location: Brussels
- ⦿ Date: Monday 22 – Wednesday 24 January 2018

AOB