

# **Second Security, Stability and Resiliency Review (SSR2)**

**Plenary Meeting 21**

1 August 2017



# Draft Agenda

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- ⦿ 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

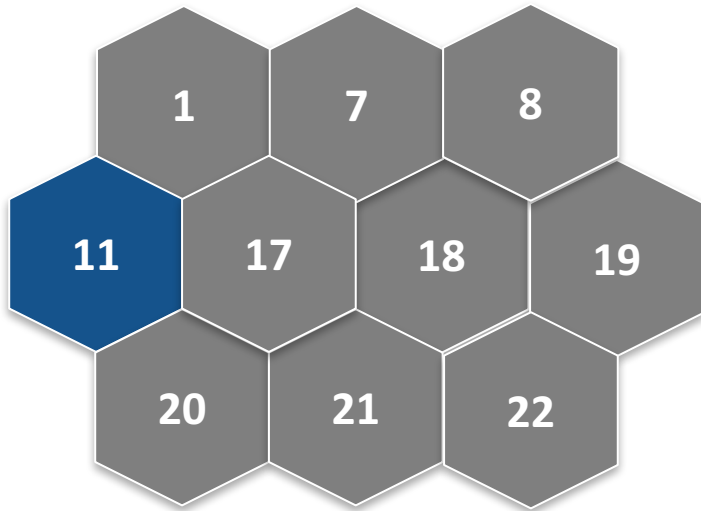
# SSR1 Review Implementation



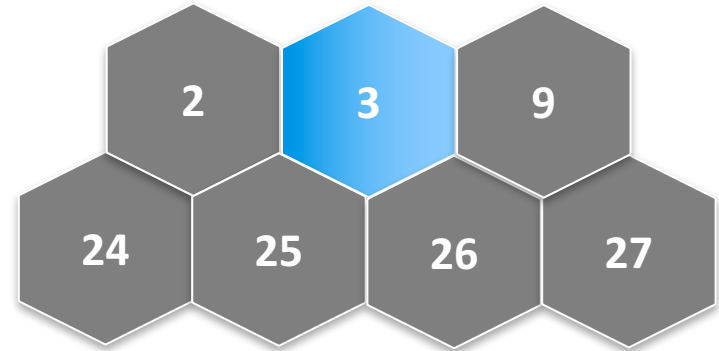
Briefing on SSR1  
Recommendations

# SSR1 Recommendations

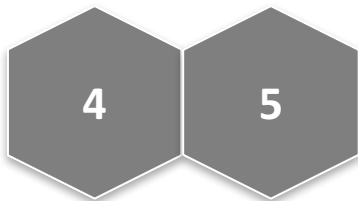
## SSR Framework



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



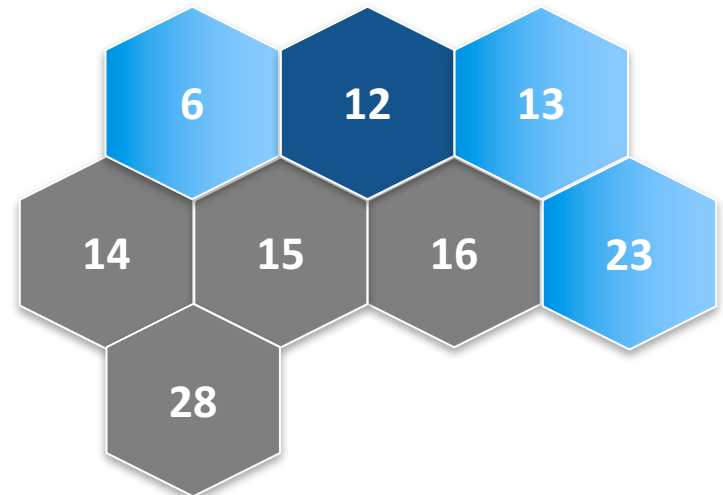
## SSR Relationships to Support ICANN's Work






## 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

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- ⦿ 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](https://docs.google.com/document/d/1iqI-67lr-EydmPPJzsEeBO98X4jucgpFX3HaL_9Q-hc/edit?usp=sharing)

# Reminder: January Face-to-Face Meeting

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

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

# AOB