ICANN 64
COMMUNITY FORUM

KOBE
9–14 March 2019

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

Engagement Sessions @ ICANN64 Kobe

March 2019

ICANN

Agenda

1 Where We Are Today

2 Our Work

3 Our Current Timeline

4 Outreach & Your Input Requested

5 Background

6 Thank You & Questions

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 ICANN64:

- Conduct further information gathering as necessary

- Continue drafting key findings

- Report drafting sessions

Workstream 2 Scope Items

ICANN's 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)
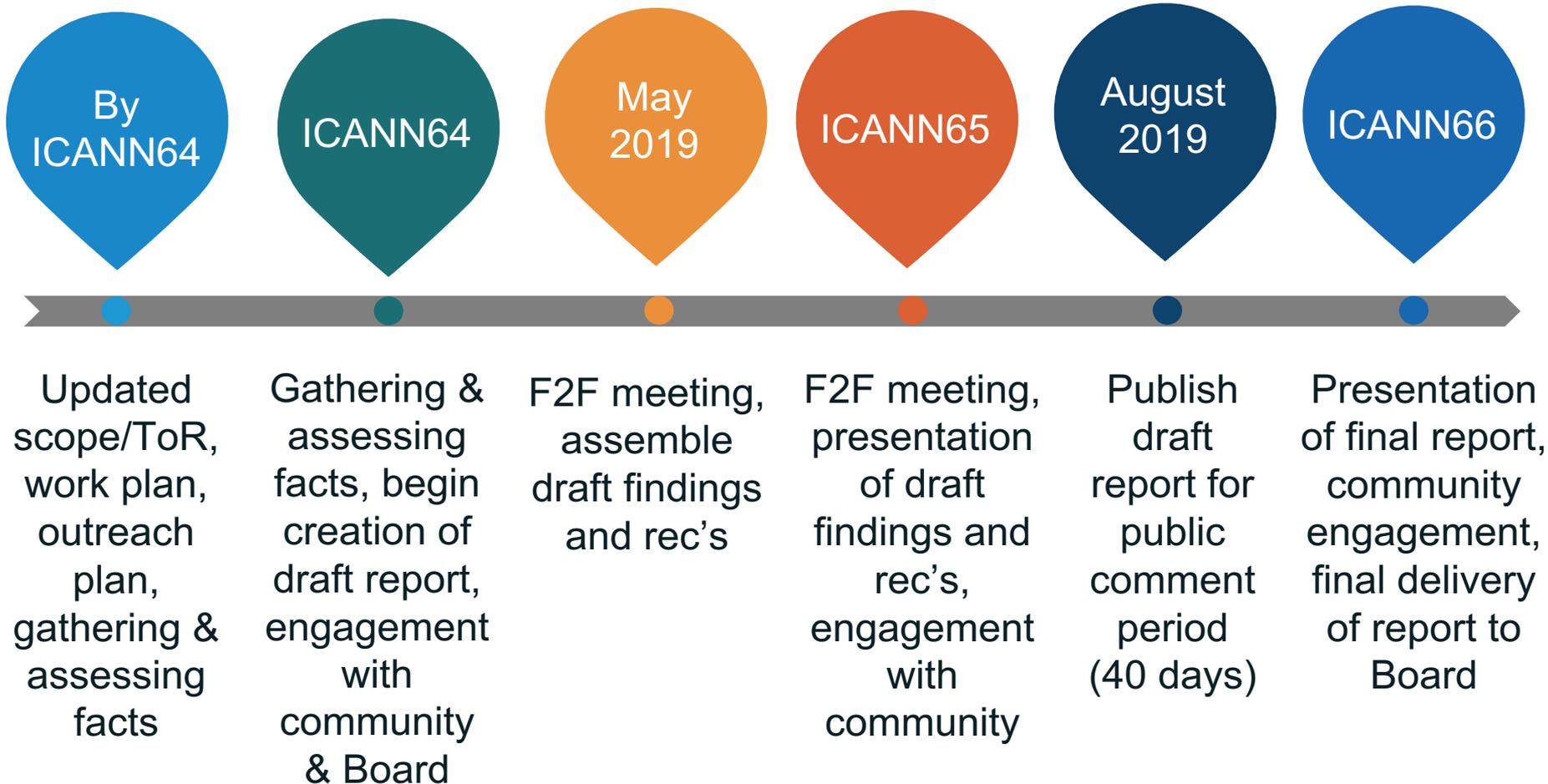
- Root zone management

- Root server system (eg. I-root)

- Alternate root deployment and co-existence

- SSR measurements

- Namespace abuse

- Software interoperability

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 crypto systems in DNSSEC

- 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

By ICANN64

ICANN64

May 2019

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August 2019

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Updated scope/ToR, work plan, outreach plan, gathering & assessing facts

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

F2F meeting, assemble draft findings and rec's

F2F meeting, presentation of draft findings and rec's, engagement with community

Publish draft report for public comment period (40 days)

Presentation of final report, community engagement, final delivery of report to Board

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

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
  - 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
  - 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

Key Milestone:	Objective(s)
1. Adopted Terms of Reference & work plan	Provide community with details on adopted Terms of Reference and work plan. Invite input.
2. Fact finding & ongoing work	Provide community with overview of work plan, information received/requested. Initial fact finding, as appropriate. Seek input.
3. Initial findings	Provide community with overview of information received/requested, results of analysis, and set of initial findings. Seek input.
4. Draft recommendations	Seek input from community, Board, org on draft recommendations.
5. Final recommendations	Present final recommendations to community, Board, org.

Our Team

RT Member	SO / AC Affiliation	Region
Alain Aina	ccNSO	AF
Noorul Ameen	GAC	AP
Kerry-Ann Barrett	GAC	LAC
KC Claffy	SSAC	NA
Russ Housley (Chair)	SSAC	NA
Žarko Kecić	ccNSO	EUR
Boban Krsic	ccNSO	EUR
Jabhera Matogoro	ALAC	AF
Scott McCormick	GNSO	NA
Denise Michel (Vice-Chair)	GNSO	NA
Eric Osterweil (Vice-Chair)	RSSAC	NA
Ramkrishna Pariyar	ALAC	AP
Rao Naveed bin Rais	GNSO	AP
Kaveh Ranjbar	Board	EUR
Norm Ritchie	GNSO	NA
Laurin Weissinger (Vice-Chair)	ALAC	EUR

Thank You & Questions