



Community Session - Next-Generation gTLD Registration Directory Service (RDS) Policy Requirements

RDP PDP WG | ICANN59 | 26 June 2017

Agenda

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Discussion:
Preliminary
Agreements on

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- Users/Purposes
- Access
- Privacy

for a “Minimum
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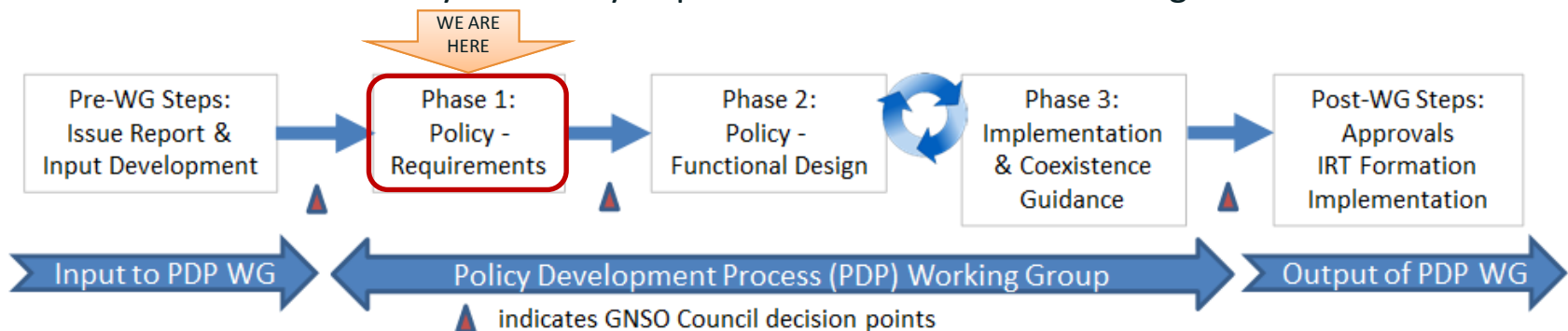
To Learn More



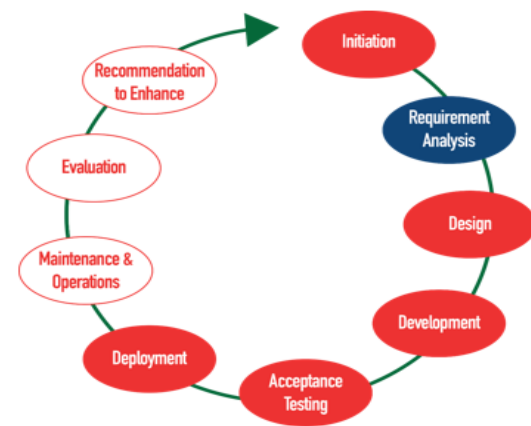
Introduction to the Next-Generation RDS PDP Agenda Item #1

Overview

- ⦿ This PDP has been tasked with defining the purpose of collecting, maintaining and providing access to gTLD registration data and considering safeguards for protecting that data.
- ⦿ The charter organizes this WG's tasks into three phases
 - ⦿ **During Phase 1**, the PDP WG should examine all requirements for gTLD registration data and directory services at a high level
 - ⦿ *Only if a new policy framework and next-generation RDS are required:*
 - ⦿ **In Phase 2**, the PDP WG should design detailed policies to satisfy all requirements established in Phase 1
 - ⦿ **In Phase 3**, the PDP WG should dive more deeply into each policy group to create any necessary implementation and coexistence guidance.



During Phase 1, this WG will



- ⦿ Attempt to reach consensus on the following questions (*at a minimum*):
- ⦿ **What are the fundamental requirements for gTLD registration data?** When addressing this, the PDP WG should consider, at a minimum, *users and purposes and associated access, accuracy, data element, and privacy requirements*
- ⦿ **Is a new policy framework and next-generation RDS needed to address these requirements?**
 - ⦿ **If yes, what cross-cutting requirements must any next-generation RDS address,** including *coexistence, compliance, system model, and cost, benefit, and risk analysis requirements*
 - ⦿ **If no, does the current WHOIS policy framework sufficiently address these requirements?** If not, what revisions are recommended to the current WHOIS policy framework to do so?

RDS PDP Charter Questions

Users and Purposes

Who should have access to gTLD registration data and why (for what purposes)?

Registration Data Elements

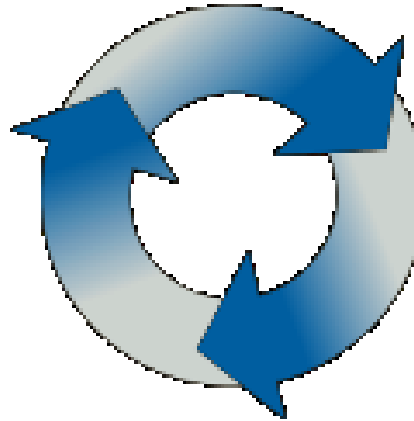
What data should be collected, stored, and disclosed?

Privacy

What steps are needed to protect data and privacy?

Gated Access

What steps should be taken to control data access for each user/purpose?



Registration Data Accuracy

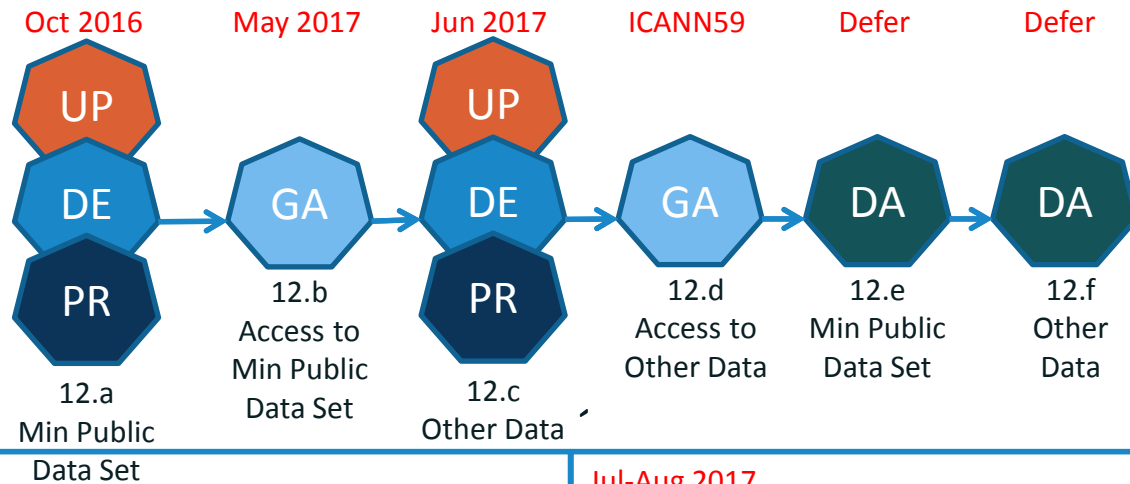
What steps should be taken to improve data accuracy?

Establishing a foundation to answer this question:

Is a new policy framework and a next-generation system needed to address these requirements?

Near-Term Work Plan

First Pass (iterative): Key Concepts for each Fundamental Question



Deliberation on Requirements for	
UP	Users/Purposes
GA	Gated Access
DA	Data Accuracy
DE	Data Elements
PR	Privacy
FQ	Foundational Question



Jul-Aug 2017

Second Pass (iterative): Solidify and frame Key Concepts as Requirements for each of these Fundamental Questions [UP] [DE] [PR] [GA] [DA]

12.g

12.h

“Is a new Next-Gen RDS needed or can the existing WHOIS system be modified to satisfy these requirements?”



Sep-Oct 2017

ICANN60 13.a

Start Preparation of First Initial Report



Seeking YOUR input



- ⦿ All community members that collect, store, provide, or use registration data using WHOIS today have an interest in the outcome of this PDP
- ⦿ This session provides all interested parties with an opportunity to review and discuss Preliminary WG Agreements to date
 - ⦿ Points of rough consensus, developed through iterative deliberation, subject to further refinement
- ⦿ Initial key concepts for users/purposes, data elements, privacy and access to gTLD registration data – specifically for a “Minimum Public Data Set,” based on today’s “thin data” elements

Discussion:
**Preliminary Agreements on
RDS Statement of Purpose**

Agenda Item #2

Draft Statement of Purpose – Part 1

- ⦿ **Question:** What should the over-arching purpose be of collecting, maintaining, and providing access to gTLD registration data?

- ⦿ **Answer:** Draft Statement of Purpose

This statement is intended to define the purpose(s) of a potential Registration Directory Service (RDS) for generic top-level domain (gTLD) names. The statement identifies Specific Purposes for registration data and registration directory services.

Note that it is important to make a distinction between the purpose(s) of individual registration data elements¹ versus the purpose(s) of a RDS, i.e., the system that may collect, maintain, and provide or deny access to some or all of those data elements and services related to them, if any.

Draft Statement of Purpose – Part 2

Specific Purposes for Registration Data and Registration Directory Services

1. A purpose of gTLD registration data is to provide info about the lifecycle of a domain name and its resolution on the Internet.
2. A purpose of RDS is to facilitate dissemination of gTLD registration data of record², such as domain names and their domain contacts³ and nameservers in accordance with applicable policy.⁴
3. A purpose of RDS is to identify domain contacts and facilitate communication with domain contacts associated with generic top-level domain names, [based on approved policy].
4. A purpose of gTLD registration data is to provide a record of domain name registrations.

Note: “Accuracy” as it pertains to the RDS will be defined later in this PDP (see the Charter question on Accuracy).

Footnotes

¹ Here, “registration data elements” refers to data about generic top-level domain names collected in the relationship between registrars to registries and in the relationship between registrars/registries and ICANN.

² Draft definition, still undergoing deliberation as of 31 May: The data set at a given time, relevant to a given registration object, that expresses the data provided in the then-current registration for that object.

³ Contacts related to the domain name, including those directly related to the domain name and also those involved in the registration system as relevant. Further specification may occur at a later stage in the RDS PDP process.

⁴ Alternatives for specific purpose 2) are still under consideration, pending WG definition of “data of record.”

■ Source: Section 2.3, KeyConceptsDeliberation-WorkingDraft

Statement of Purpose: Questions & Comments?

Raise your hand to ask questions or provide feedback
Do you agree or disagree? Why or why not?



Discussion:
Preliminary Agreements on
“Minimum Public Data Set”
Agenda Item #3

Data Elements

Initial deliberation* focused on "thin data" as defined by the Thick WHOIS Report:

"A thin registry only stores and manages the information associated with the domain name. This set includes data sufficient to identify the sponsoring registrar, status of the registration, creation and expiration dates for each registration, name server data, the last time the record was updated in its Whois data store, and the URL for the registrar's Whois service."

Example:

Domain Name: EXAMPLE.TLD
WHOIS Server: whois.example.tld
Referral URL: http://www.example.tld
Updated Date: 2009-05-29T20:13:00Z
Creation Date: 2000-10-08T00:45:00Z
Registry Expiry Date: 2010-10-08T00:44:59Z
Sponsoring Registrar: EXAMPLE REGISTRAR LLC
Sponsoring Registrar IANA ID: 5555555
Domain Status: clientDeleteProhibited
Name Server: NS01.EXAMPLEREGISTRAR.TLD
Name Server: NS02.EXAMPLEREGISTRAR.TLD
DNSSEC: signedDelegation

* The WG plans to expand deliberation to other data elements this week

Data Elements

- ⦿ **Question:** Which gTLD registration data elements should be included in the “Minimum Public Data Set”?

- ⦿ **Draft WG Agreements**

25: "Minimum Public Data Set" to be used as a replacement term (within WG Agreements to date) for what had previously been referred to as "thin data."

26: The DNSSEC data element should be added to the "Minimum Public Data Set."

27: Today's gTLD WHOIS registration data elements classified as "thin" are sufficient at this time, to be referred to within WG Agreements hereafter as the "Minimum Public Data Set."

Data Elements: Questions & Comments

Raise your hand to ask questions or provide feedback
Do you agree or disagree? Why or why not?



- ⦿ **Question:** Should gTLD registration data elements in the “Minimum Public Data Set” be accessible for any purpose or only for specific purposes?

- ⦿ **Draft WG Agreements**
 1. *The WG should continue deliberation on the purpose(s) of the “Minimum Public Data Set.”*

 2. *Every data element in the “Minimum Public Data Set” should have at least one legitimate purpose.*

 3. *Every existing data element in the “Minimum Public Data Set” does have at least one legitimate purpose for collection.*

- ⦿ **Question:** For what specific (legitimate) purposes should gTLD registration data elements in the “Minimum Public Data Set” be collected?

- ⦿ **Draft WG Agreements**
 - 4. *EWG-identified purposes apply to at least one data element in the “Minimum Public Data Set.”*
 - 5. *Domain name control*
is a legitimate purpose for “Minimum Public Data Set” collection.
 - 6. *Technical Issue Resolution*
is a legitimate purpose for “Minimum Public Data Set” collection.
 - 7. *Domain Name Certification*
is a legitimate purpose for “Minimum Public Data Set” collection.
 - 8. *Business Domain Name Purchase or Sale*
is a legitimate purpose for “Minimum Public Data Set” collection.

- ⦿ **Question:** For what specific (legitimate) purposes should gTLD registration data elements in the “Minimum Public Data Set” be collected?

- ⦿ **Draft WG Agreements**

- 9. Academic / Public Interest DNS Research is a legitimate purpose for “Minimum Public Data Set” collection.*

- 10. Regulatory and Contractual Enforcement is a legitimate purpose for “Minimum Public Data Set” collection.*

- 11. Criminal Investigation & DNS Abuse Mitigation is a legitimate purpose for “Minimum Public Data Set” collection.*

- 12. Legal Actions is a legitimate purpose for “Minimum Public Data Set” collection.*

- 13. Individual Internet Use is a legitimate purpose for “Minimum Public Data Set” collection*

Users/Purposes: Questions & Comments

Raise your hand to ask questions or provide feedback
Do you agree or disagree? Why or why not?



- ⦿ **Question:** Should gTLD registration data in the “Minimum Public Data Set” be entirely public or should access be controlled?
- ⦿ **Draft WG Agreements**
 - 20. gTLD registration data in the “Minimum Public Data Set” must be accessible without requestor identification, authentication, or stated purpose.*
 - 21: There must be no RDS policies that prevent RDS operators from applying operational controls such as rate limiting and CAPTCHA, provided that they do not unreasonably restrict legitimate access.
[Rough consensus in 2 May poll, but pending action item]*

- ⦿ **Question:** What guiding principles should be applied to “Minimum Public Data Set” access?

- ⦿ **Draft WG Agreements**

22: At least a defined set of data elements must be accessible by unauthenticated RDS users.

23: RDS policy must state purpose(s) for public access to the “Minimum Public Data Set.”

Gated Access: Questions & Comments

Raise your hand to ask questions or provide feedback
Do you agree or disagree? Why or why not?



- ⦿ **Question:** For the “Minimum Public Data Set” only, do existing gTLD registration directory services policies sufficiently address compliance with applicable data protection, privacy, and free speech laws about purpose?
- ⦿ **Draft WG Agreements**
 - 14. Existing gTLD RDS policies do NOT sufficiently address compliance with applicable data protection, privacy, and free speech laws about purpose.*
 - 15. As a WG, we need to agree upon a purpose statement for the RDS.
(refer to WG Agreements #16 – 19 in the Statement of Purpose)*
- ⦿ The WG is now pursuing independent legal analysis to inform its deliberation on key concepts for data protection and privacy

Privacy: Questions & Comments

Raise your hand to ask questions or provide feedback
Do you agree or disagree? Why or why not?





Next Steps

Agenda Item #4

- ⦿ The main objectives of this F2F WG meeting are to:
 - ⦿ Consider cross-community session inputs
 - ⦿ Start deliberating on key concepts for elements that go beyond the “Minimum Public Data Set”
 - ⦿ *Additional goals to be listed here*
- ⦿ This F2F WG meeting will be open to WG members, WG observers and guests

To learn more, visit:

<http://sched.co/B49L>



To Learn More
Agenda Item #5

To prepare for this session



- ⦿ RDS PDP WG Wiki: <https://community.icann.org/x/rjJ-Ag>
- ⦿ PDP WG Charter: <https://community.icann.org/x/E4xlAw>
- ⦿ PDP WG Membership: <https://community.icann.org/x/l4xlAw>
- ⦿ [RDS PDP - Newsletter - April/May 2017](#)
- ⦿ [RDS Beginners Tutorial - May 2017.pdf](#)
- ⦿ Phase 1 Docs: <https://community.icann.org/x/p4xlAw>
including the latest [KeyConceptsDeliberation-WorkingDraft](#)

To learn more



Thank You and Questions

Reach us at:

Email: gns0-rds-pdp-wg@icann.org

Website: <http://tinyurl.com/ng-rds>

