



I C A N N

COMMUNITY FORUM

61

SAN JUAN

10-15 March 2018

Next-Generation gTLD Registration Directory Service (RDS) to replace WHOIS PDP WG

**Face-to-Face Working Group Meeting
Saturday 10 March (08.30-12.00 Local Time)**



ICANN 61

Agenda: Saturday 10 March

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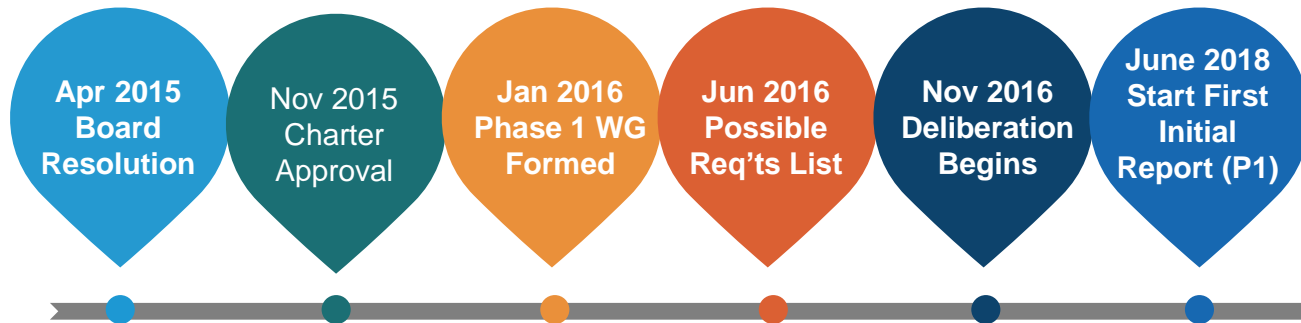
WG Member Introductions and SOI Updates

Agenda Item #1

PDP Background

Agenda Item #2

RDS PDP: Project Timeline & Major Milestones



Next Steps

- Finish deliberating on charter questions 1-5
- Answer Foundational Question
- First Initial Report
- Modify Phase 1 Work Plan
- Deliberate on charter questions 6-11
- Second Initial Report
- Final Report for Phase 1

If a next-gen RDS is needed:

- Phase 2 (Policy Development)
- Phase 3 (Implementation and Coexistence Guidance)

WHAT THIS PROJECT IS ABOUT

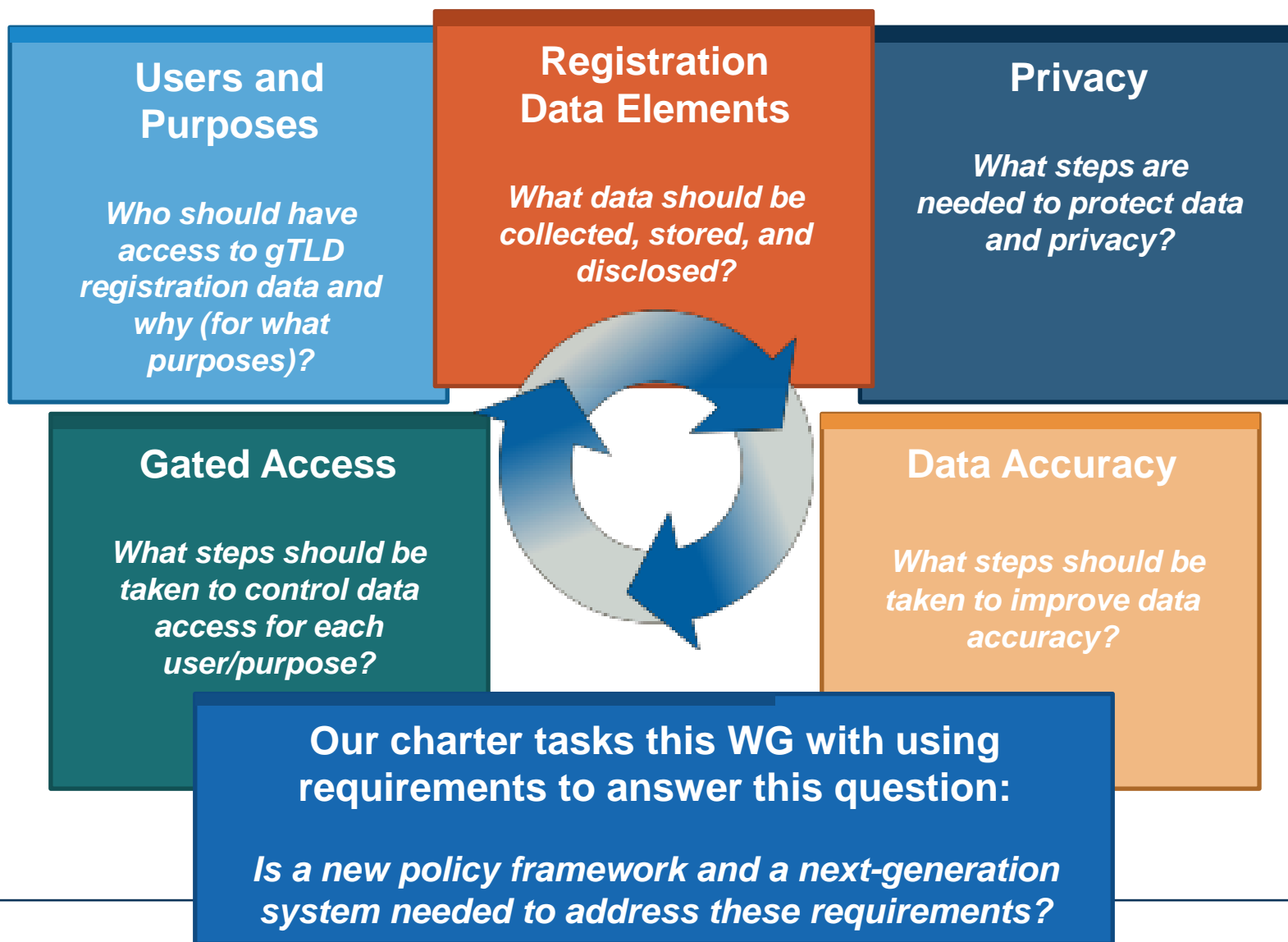
In April 2015, the ICANN Board reaffirmed “its request for a Board-initiated GNSO policy development process to define the purpose of collecting, maintaining and providing access to generic top-level domain (gTLD) registration data, and consider safeguards for protecting data, using the recommendations in the Expert Working Group (EWG) Final Report as an input to, and, if appropriate, as the foundation for a new gTLD policy.”

Following publication of the PDP Final Issue Report, the GNSO Council adopted the charter for the PDP WG, which commenced its deliberations at the end of January 2016. During the **first phase its work**, the WG has been tasked with providing recommendations on the following two questions:

- 1) **What are the fundamental requirements for gTLD registration data?**
- 2) **Is a new policy framework and next-generation registration directory services (RDS) needed to address these requirements?**

Note: For more background detail, see WG’s latest newsletter, available in this room and on-line at <https://community.icann.org/download/attachments/59644409/RDSPDP-Newsletter-March2018.pdf>

To establish requirements for gTLD registration data and directory services, we are trying to answer these questions



Meeting Goals

Agenda Item #3

Goals for this meeting

- ⦿ As the WG has deliberated on these Charter Questions:
 - *Who should have access to gTLD registration data and for what purposes?*
 - *What data should be collected, stored, and disclosed for those purposes?*
- ⦿ We may be constraining our thinking by deliberating on existing WHOIS data elements, assuming today's (often implicit) definitions, without clearly-stated expectations of the entities identified and/or contacted using registration data
- ⦿ To address these concerns and enable more effective deliberation, purpose drafting teams were asked to re-convene to answer the following questions:
 1. Who associated with the domain name registration needs to be identified and/or contacted for each purpose?
 2. What is the objective achieved by identifying and/or contacting each of those entities?
 3. What might be expected of that entity with regard to the domain name?
- ⦿ Today, each drafting team will present its answers for consideration by the full WG
- ⦿ Results from today's session will be input to our Wednesday F2F session, where we will resume deliberation on possible purposes and associated data

As a reminder, here are the possible purposes previously defined by drafting teams

Name	Single-Sentence Definition
Technical Issue Resolution for issues associated with Domain Name Resolution	Information collected to enable contact of the relevant contacts to facilitate tracing, identification and resolution of incidents related to issues associated with domain name resolution by persons who are affected by such issues, or persons tasked (directly or indirectly) with the resolution of such issues on their behalf.
Academic or Public Interest Research	Information collected to enable use of registration data elements by researchers and other similar persons, as a source for academic or other public interest studies or research, relating either solely or in part to the use of the DNS.
Domain Name Management	Information collected to create a domain name registration, enabling management of the domain name registration, and ensuring that the domain registration records are under the control of the authorized party and that no unauthorized changes or transfers are made in the record.
Individual Internet Use	Collecting the required information of the registrant or relevant contact in the record to allow the internet user to contact or determine reputation of the domain name registration.
Domain Name Certification	Information collected by a certificate authority to enable contact between the registrant, or a technical or administrative representative of the registrant, to assist in verifying that the identity of the certificate applicant is the same as the entity that controls the domain name.
Domain Name Purchase/Sale	Information to enable contact between the registrant and third-party buyer to assist registrant in proving and exercising property interest in the domain name and third-party buyer in confirming the registrant's property interest and related merchantability.
ICANN Contractual Enforcement	Information accessed to enable ICANN Compliance to monitor and enforce contracted parties' agreements with ICANN.
Regulatory Enforcement	Information accessed by regulatory entities to enable contact with the registrant to ensure compliance with applicable laws.

Possible purposes (continued)

Name	Single-Sentence Definition
Legal Actions	Includes assisting certain parties (or their legal representatives, agents or service providers) to investigate and enforce civil and criminal laws, protect recognized legal rights, address online abuse or contractual compliance matters, or to assist parties defending against these kinds of activities, in each case with respect to all stages associated with such activities, including investigative stages; communications with registrants, registration authorities or hosting providers, or administrative or technical personnel relevant to the domain at issue; arbitrations; administrative proceedings; civil litigations (private or public); and criminal prosecutions.
Criminal Activity/ DNS Abuse – Investigation	Information to be made available to regulatory authorities, law enforcement, cybersecurity professionals, IT administrators, automated protection systems and other incident responders for the purpose of enabling identification of the nature of the registration and operation of a domain name linked to abuse and/or criminal activities to facilitate the eventual mitigation and resolution of the abuse identified: Domain metadata (registrar, registration date, nameservers, etc.), Registrant contact information, Registrar contact Information, DNS contact, etc..
Criminal Activity/ DNS Abuse – Notification	Information collected and made available for the purpose of enabling notification by regulatory authorities, law enforcement, cybersecurity professionals, IT administrators, automated protection systems and other incident responders of the appropriate party (registrant, providers of associated services, registrar, etc), of abuse linked to a certain domain name registration to facilitate the mitigation and resolution of the abuse identified: Registrant contact information, Registrar contact Information, DNS contact, etc..
Criminal Activity/ DNS Abuse – Reputation	Information made available to organizations running automated protection systems for the purpose of enabling the establishment of reputation for a domain name to facilitate the provision of services and acceptance of communications from the domain name examined: Domain metadata (registrar, registration date, nameservers, etc.), Registrant contact information, Registrar contact Information, DNS contact, etc..

Note: Additional proposed purposes will be deliberated upon after we cover this list.

Entities Identified or Contacted using gTLD Registration Data

Agenda Item #4

DT#4: Domain Name Purchase/Sale

- ⦿ Mailing list address: gns0-rds-pdp-4@icann.org
- ⦿ Mailing list archive: <http://mm.icann.org/pipermail/gns0-rds-pdp-4/>
- ⦿ Coordinated by: Lisa Phifer
- ⦿ Members: Rob Golding, Fabricio Vayra, Sam Lanfranco, Brian Scarpelli, Benjamin Akinmoyeje, Erica Varlese
- ⦿ DT4 Answers (to be introduced by Brian and Fabricio):
<https://community.icann.org/download/attachments/79431882/DT4AnswerstoQuestions-Final-7March.pdf>

DT#2: Domain Name Management and Individual Internet Use

- ⦿ Mailing list address: gns0-rds-pdp-2@icann.org
- ⦿ Mailing list archive: <http://mm.icann.org/pipermail/gns0-rds-pdp-2/>
- ⦿ Coordinated by: Alex Deacon
- ⦿ Members: Maxim Alzoba, Volker Greimann, Brian Winterfeldt, Tapani Tarvainen, Alan Greenberg, Daniel Nanghaka, Andrew Sullivan, Susan Kawaguchi
- ⦿ DT2 Answers (to be introduced by Susan and Andrew):
<https://community.icann.org/download/attachments/79431882/DT2-AnswersFor-DNManagement-And-IndividualInternetUse.pdf>

DT#3: Domain Name Certification

- ⦿ Mailing list address: gns0-rds-pdp-3@icann.org
- ⦿ Mailing list archive: <http://mm.icann.org/pipermail/gns0-rds-pdp-3/>
- ⦿ Coordinated by: David Cake
- ⦿ Members: Kal Feher, Alex Deacon, Carlton Samuels, Jeremy Malcolm, Arsene Tungali, Kirk Hall
- ⦿ DT3 Answers (to be introduced by TBD):
<https://community.icann.org/download/attachments/79431882/DT3AnswerstoQuestions-8March.pdf>

DT#1: Technical Issue Resolution for issues associated with Domain Name Resolution and Academic/Public Interest DNS Research

- ⦿ Mailing list address: gns0-rds-pdp-1@icann.org
- ⦿ Mailing list archive: <http://mm.icann.org/pipermail/gns0-rds-pdp-1/>
- ⦿ Coordinated by: Michele Neylon
- ⦿ Members: Greg Aaron, Alan Woods, Greg Shatan, Stephanie Perrin, Jonathan Matkowsky, Nathalie Coupet, James Galvin
- ⦿ DT1 Answers (to be introduced by TBD):
 - https://community.icann.org/download/attachments/79431882/DT1_TechIssueRes-AnswerstoQuestions.pdf
 - https://community.icann.org/download/attachments/79431882/DT1_%20DNS%20Research%20-%20Answers%20to%20Questions.pdf

DT#5: Regulatory Enforcement and ICANN Contractual Enforcement

- ⦿ Mailing list address: gns0-rds-pdp-5@icann.org
- ⦿ Mailing list archive: <http://mm.icann.org/pipermail/gns0-rds-pdp-5/>
- ⦿ Coordinated by: Chuck Gomes
- ⦿ Members: Elizabeth Bacon, Theo Geurts, Steve Metalitz, Krishna Seeburn, Farell Folly, Bastiaan Goslings, Kathy Kleiman
- ⦿ DT5 Answers (to be introduced by Farell and Beth):
 - <https://community.icann.org/download/attachments/79431882/DT5FinalAnswersfortheRegulatoryPurpose.pdf>
 - <https://community.icann.org/download/attachments/79431882/DT5FinalAnswersfortheICANNContractualCompliancePurpose.pdf>

DT#6: Legal Actions

- ⦿ Mailing list address: gns0-rds-pdp-6@icann.org
- ⦿ Mailing list archive: <http://mm.icann.org/pipermail/gns0-rds-pdp-6/>
- ⦿ Coordinated by: Chuck Gomes
- ⦿ Members: Paul Keating, Roger Carney, Vicky Sheckler, Farzaneh Badii, Griffin Barnett, Juan Manuel Rojas
- ⦿ DT6 Answers (to be introduced by Vicky and Griffin):
<https://community.icann.org/download/attachments/79431882/DT6FinalAnswersfortheLegalActionsPurpose.pdf>

DT#7: Criminal Investigation/DNS Abuse Mitigation

– Investigation, Notification, and Reputation

- ⦿ Mailing list address: gns0-rds-pdp-7@icann.org
- ⦿ Mailing list archive: <http://mm.icann.org/pipermail/gns0-rds-pdp-7/>
- ⦿ Coordinated by: Marika Konings
- ⦿ Members: Richard Leaning, Marc Anderson, Kiran Malancharuvil, Ayden Ferdeline, Rod Rasmussen, Raoul Plommer
- ⦿ DT7 Answers (to be introduced by Marc):
<https://community.icann.org/download/attachments/79431882/DT7AnswerstoQuestions-7March2018.pdf>

Purposes Deliberation to continue on Wednesday 14 March

All DT answers (as refined during today's session) to be treated as input to continued deliberation on possible purposes and data needed for each purpose.

Next-Generation gTLD Registration Directory Service (RDS) to replace WHOIS PDP WG

**Face-to-Face Working Group Meetings
Wednesday 14 March (15.15-18.30 Local Time)**



ICANN 61

Agenda: Wednesday 1 November

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Introductions
& SOI Updates

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Quick Review
of Meeting Goals
and Saturday
progress

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Revisit previous
WG Agreements
on Data for
Legitimate
Purposes

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Deliberate on
remaining
possible purposes
for processing
registration data

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Confirm action
items & proposed
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Materials &
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WG Member Introductions and SOI Updates

Agenda Item #1

Quick Review of Meeting Goals and Saturday progress

Agenda Item #2

Goals for this meeting

- ⦿ As the WG has deliberated on these Charter Questions:
 - *Who should have access to gTLD registration data and for what purposes?*
 - *What data should be collected, stored, and disclosed for those purposes?*
- ⦿ We may be constraining our thinking by deliberating on existing WHOIS data elements, assuming today's (often implicit) definitions, without clearly-stated expectations of the entities identified and/or contacted using registration data
- ⦿ To address these concerns and enable more effective deliberation, purpose drafting teams were asked to re-convene to answer the following questions:
 1. Who associated with the domain name registration needs to be identified and/or contacted for each purpose?
 2. What is the objective achieved by identifying and/or contacting each of those entities?
 3. What might be expected of that entity with regard to the domain name?
- ⦿ On Saturday, each drafting team presented its answers to the full WG
- ⦿ Results will be put to use during today's session, where we will resume deliberation on possible purposes and associated data

Summary of entities to be identified or contacted for each possible purpose

- ⦿ INSERT SUMMARY TABLE HERE
REFLECTING SATURDAY'S RESULTS

Revisit previous WG Agreements on Data for Legitimate Purposes Agenda Item #3

3a) Technical Issue Resolution

- ⦿ **WG Agreement 46:**

Technical Issue Resolution for issues associated with Domain Name Resolution is a legitimate purpose, based on the following definition: Information collected to enable contact of the relevant contacts to facilitate tracing, identification and resolution of incidents related to issues associated with domain name resolution by persons who are affected by such issues, or persons tasked (directly or indirectly) with the resolution of such issues on their behalf.

- ⦿ **WG Agreement 47:**

The following information is to be collected for the purpose of Technical Issue Resolution associated with Domain Name Resolution:

- Technical Contact(s) or
(if no Technical Contact is provided) Registrant Contact(s),
- Nameservers,
- Domain Status,
- Expiry Date and Time, and
- Sponsoring Registrar

- ⦿ **Can we develop an additional WG Agreement that more clearly describes the entities that need to be identified and/or contacted for this purpose?**

3b) Domain Name Management

- ⦿ **WG Agreement 48:**

Domain Name Management is a legitimate purpose for collecting some registration data, based on the definition: Information collected to create a domain name registration, enabling management of the domain name registration, and ensuring that the domain registration records are under the control of the authorized party and that no unauthorized changes or transfers are made in the record.

- ⦿ **WG Agreement 49:**

The following information is to be collected for the purpose of Domain Name Management:

- Domain Name
- Registrant Name
- Registrant Organization
- Registrant Email
- Registrar Name
- Creation Date
- Updated Date
- Expiration Date
- Nameservers
- Domain Status
- Administrative Contact

- ⦿ **Can we develop an additional WG Agreement that more clearly describes the entities that need to be identified and/or contacted for this purpose?**

Deliberate on remaining possible purposes for processing gTLD registration data

Agenda Item #4

Refer to Drafting Team Outputs

- Refer to definitions produced by Drafting Teams in November 2017:
 - DT1: [DNS Research PDF](#) and [DOC](#)
 - DT2: [Individual Internet Use PDF](#) and [DOC](#)
 - DT3: [Domain Name Certification PDF](#) and [DOC](#)
 - DT4: [Domain Name Purchase/Sale PDF](#) and [DOC](#)
 - DT5: [Regulatory Enforcement PDF](#) and [DOC](#)
 - DT5: [ICANN Contractual Enforcement PDF](#) and [DOC](#)
 - DT6: [Legal Actions PDF](#) and [DOC](#)
 - DT7: [Criminal Activity/DNS Abuse - Investigation PDF](#) and [DOC](#)
 - DT7: [Criminal Activity/DNS Abuse - Notification PDF](#) and [DOC](#)
 - DT7: [Criminal Activity/DNS Abuse - Reputation PDF](#) and [DOC](#)
 - Any additional proposed purposes

- For each of these possible purposes, let's consider:
 - Is this a legitimate purpose for processing registration data?
 - If so, what data (including contact data) is necessary for this purpose?
 - Is that data already collected for another (compatible) purpose?

Confirm action items and proposed decision points

Agenda Item #5

Links to Meeting Materials & Background Slides

Agenda Item #6

Sessions at ICANN61 and Further Information

- RDS PDP WG sessions at ICANN61:
[Saturday March 10, 2018](#) (8.30-12.00 local time)
[Wednesday March 14, 2018](#) (15.15-18.30 local time)
- Background information:
Background Docs: <https://community.icann.org/x/QlxlAw>
Phase 1 Docs: <https://community.icann.org/x/p4xlAw>
- Latest RDS PDP Newsletter:
[RDS PDP - Newsletter - March 2018](#)
- Working Group Charter:
<https://community.icann.org/x/E4xlAw>
- Working Group online wiki space (with meeting transcripts, call recordings, draft documents and background materials):
<https://community.icann.org/x/rjJ-Ag>

Thank You and Questions



Reach us at:

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

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



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slideshare/icannpresentations



soundcloud/icann



Additional Materials for Reference

Summary of previous registration data agreements

Registration Data Needed For Domain Name	Technical Issue Resolution ¹	Domain Name Management ²
Domain Name	X	X
Nameservers	X	X
Domain Status	X	X
Expiry Date and Time	X	X
Creation Date		X
Updated Date		X
Sponsoring Registrar	X	X
Registrant Contact(s) ³	If no Tech Contact is provided	X
- Registrant Name ⁴	X	X
- Registrant Organization ⁴	X	X
- Registrant Email ⁵	X	X
- Registrant Phone ⁶	?	
- Registrant Postal Address ⁷	?	
- Registrant Country ⁸	X	
Technical Contact(s) ⁹	X	
Administrative Contact ⁹		X
Domain Names for specified Registrant		

Note: Shaded items already agreed to be included in Minimum Public Data Set

“?” indicates more granular data elements not fully specified by existing WG agreements

Related WG Agreements (footnoted on previous slide)

- ¹ 47. *The following information is to be collected for the purpose of Technical Issue Resolution associated with Domain Name Resolution: Technical Contact(s) or (if no Technical Contact is provided) Registrant Contact(s), Nameservers, Domain Status, Expiry Date and Time, Sponsoring Registrar.*
- ² 49. *The following registration data is needed for the purpose of Domain Name Management: Domain Name, Registrant Name, Registrant Organization, Registrant Email, Registrar Name, Creation Date, Updated Date, Expiration Date, Nameservers, Domain Status, Administrative Contact.*
- ³ 31. *Data enabling at least one way to contact the registrant must be collected and included in the RDS.*
- ⁴ 30. *At least one element identifying the domain name registrant (i.e., registered name holder) must be collected and included in the RDS.*
- ⁵ 32. *At a minimum, one or more e-mail addresses must be collected for every domain name included in the RDS, for contact roles that require an e-mail address for contactability.*
- ⁶ 43. *The RDS must support Registrant Phone + Registrant Phone Ext (extension) data elements.*
- ⁷ 42. *The RDS must support Registrant Postal Address data elements: Registrant Street Address, City, State/Province, and Postal Code.*
- ⁸ 28. *Registrant Country must be included in RDS data elements; it must be mandatory to collect for every domain name registration.*
- ⁹ 36. *Purpose-based contact (PBC) types identified (Admin, Legal, Technical, Abuse, Proxy/Privacy, Business) must be supported by the RDS but optional for registrants to provide.*

Source: <https://community.icann.org/download/attachments/79432604/KeyConceptsDeliberation-WorkingDraft-13Feb2018.pdf>

Example WHOIS Record From Registry Agreement

Domain Name: EXAMPLE.TLD
Domain ID: D1234567-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
Domain Status: clientRenewProhibited
Domain Status: clientTransferProhibited
Domain Status: serverUpdateProhibited

Registrant ID: 5372808-ERL
Registrant Name: EXAMPLE REGISTRANT
Registrant Organization: EXAMPLE ORGANIZATION
Registrant Street: 123 EXAMPLE STREET
Registrant City: ANYTOWN
Registrant State/Province: AP
Registrant Postal Code: A1A1A1
Registrant Country: EX
Registrant Phone: +1.5555551212
Registrant Phone Ext: 1234
Registrant Fax: +1.5555551213
Registrant Fax Ext: 4321
Registrant Email: EMAIL@EXAMPLE.TL

D

Admin ID: 5372809-ERL
Admin Name: EXAMPLE REGISTRANT ADMINISTRATIVE
Admin Organization: EXAMPLE REGISTRANT ORGANIZATION
Admin Street: 123 EXAMPLE STREET
Admin City: ANYTOWN
Admin State/Province: AP
Admin Postal Code: A1A1A1
Admin Country: EX
Admin Phone: +1.5555551212
Admin Phone Ext: 1234
Admin Fax: +1.5555551213
Admin Fax Ext:
Admin Email: EMAIL@EXAMPLE.TLD

Tech ID: 5372811-ERL
Tech Name: EXAMPLE REGISTRAR TECHNICAL
Tech Organization: EXAMPLE REGISTRAR LLC
Tech Street: 123 EXAMPLE STREET
Tech City: ANYTOWN
Tech State/Province: AP
Tech Postal Code: A1A1A1
Tech Country: EX
Tech Phone: +1.1235551234
Tech Phone Ext: 1234
Tech Fax: +1.5555551213
Tech Fax Ext: 93
Tech Email: EMAIL@EXAMPLE.TLD

Name Server: NS01.EXAMPLEREGISTRAR.TLD
Name Server: NS02.EXAMPLEREGISTRAR.TLD
DNSSEC: signedDelegation
DNSSEC: unsigned

>>> Last update of WHOIS database: 2009-05-29T20:15:00Z <<<