

DRAFT: gTLD Registration Dataflow Matrix and Information

Summary of Input Received From Contracted Parties and Interested Stakeholders.

Version 2

6 November 2017



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Introduction

ICANN policies and contracts require contracted parties to collect, create, retain, escrow, and publish a variety of data elements related to registry and registrar operations, domain name registrations, and registrants. The ICANN organization is investigating whether there are potential compliance issues under its agreements with registries and registrars because of the European Union General Data Protection Regulation (GDPR). The starting place for this work is to identify the purposes of the registration data registries and registrars are required to collect, maintain and provide access to under agreements with ICANN, and to understand which data elements are required for the identified purposes.

At the end of June 2017, ICANN organization asked contracted parties and interested stakeholders to identify user types and purposes of data elements required by ICANN policies and contracts. Individual responses and a compilation of the responses are [published](#) on ICANN's website.

To provide a more user-friendly way to view the responses, ICANN organization has attempted to summarize them in this document and would like to note that there may be future submissions as well. The purposes identified reflect what those submitting the user stories listed at the level of detail provided and therefore is not an analysis of the submission. ICANN would appreciate any [feedback](#).

Summary of Input

- ⦿ 13 organizations and individuals provided input ([Appendix 1](#))
- ⦿ 97 data elements across ICANN contracts and polities were identified ([Appendix 4](#))
- ⦿ 29 user types were identified ([Appendix 2](#))
- ⦿ 71 purposes were identified ([Appendix 3](#))
- ⦿ Of the 97 data elements ([Appendix 5](#))
 - Registrant name and registrant street are used by the highest number of user types at 28 and 25, respectively
 - More than half of all the data elements are used by at least 10 user types identified
- ⦿ Of the 97 data elements ([Appendix 6](#))
 - Registrant name has the largest number of purposes identified at 51
 - Registrant phone and street have the next largest number of purposes identified at 48 each
 - Creation Date follows closely with 43 purposes identified

User Type: Brand Owner

| Data Elements Used | Purpose |
|--|---------------------------------------|
| Log files and,... other records associated with the Registration containing dates, times, and time zones of communications | For regulatory and licensing purposes |

| Data Elements Used | Purpose |
|---|--|
| and sessions, including initial registration Name Server Registrant Email Registrant Name Registrant Phone Registrant Street Registry Expiry Date | |
| Log files and,... other records associated with the Registration containing dates, times, and time zones of communications and sessions, including initial registration Name Server Name server status Registrant Email Registrant Name Registrant Phone Registry Expiry Date | Investigation into fraudulent and inaccurate information |

User Type: Business Advisors (ie, Law Firms, Investment Banks, Accounting Firms, etc.)

| Data Elements Used | Purpose |
|---|------------------------|
| Admin Email Creation Date Domain Name Domain Status Log files and,... other records associated with the Registration containing dates, times, and time zones of communications and sessions, including initial registration Registrant City Registrant Country Registrant Email Registrant Name Registrant Organization Registrant Phone Registrant Postal Code Registrant State/Province Registrant Street Registrar Registry Expiry Date Tech Email Updated Date Registrant organization Registrant Phone Registrant Postal Code Registrant State/Province | Business Due Diligence |

| Data Elements Used | Purpose |
|---|---|
| Registrant Street Registrar Registry Expiry Date Tech Email Updated Date | |
| Creation Date DNSSEC Domain Name Domain Status IP Address Last update of WHOIS database Name Server Registrant Name Registrar Registrar Abuse Contact Email Registrar Abuse Contact Phone Registrar Registration Expiration Date Registry Expiry Date Registry Registrant ID Reseller Updated Date | Contact website operator to resolve website issues |
| Registrant Name Registrant Organization Registrant Email Registrant Phone | Domain Name Portfolio Management |
| Admin Email Creation Date Domain Status Registrant City Registrant Country Registrant Phone Registrant Postal Code Registrant State/Province Registrant Street Registrar Registry Expiry Date Tech Email Updated Date | Lender or agent to assess compliance of loans secured by domain names |
| Registrant Name | To facilitate domain name acquisition |
| Admin Email Creation Date Domain Status Registrant City Registrant Country Registrant Email Registrant Email Registrant Name Registrant Name Registrant Organization | To perform reverse queries for investigations or due diligence |

| Data Elements Used | Purpose |
|---|---------|
| Registrant Organization Registrant Phone Registrant Phone Registrant Postal Code Registrant State/Province Registrant Street Registrant Street Registrar Registry Expiry Date Tech Email Updated Date | |

User Type: Certificate Authority (i.e., SSL, etc.)

| Data Elements Used | Purpose |
|--|--|
| Registrant Email Registrant Name Registrant Phone Registrant Street | Certification Services |
| Creation Date Registrant Email Registrant Name Registrant Street | To validate domain name ownership for certificate requests |

User Type: Consumer Protection Agency

| Data Elements Used | Purpose |
|--------------------|--|
| All Data Elements | Crime Investigation, (i.e. Identify Leads, etc.) Investigation into fraudulent and inaccurate information Terror Investigation To preserve historical information about domain name registrations |

User Type: Consumer/General Public

| Data Elements Used | Purpose |
|--------------------|---|
| All Data Elements | Contact online retailer to resolve issues (i.e. E-Commerce, etc.) |

| Data Elements Used | Purpose |
|---|---|
| Admin City Admin Country Admin Email Admin Name Admin Organization Admin Phone Admin Phone Ext Admin Postal Code Admin State/Province Admin Street Domain Name Registrant City Registrant Country Registrant Email Registrant Fax Registrant Fax Ext Registrant Name Registrant Organization Registrant Phone Registrant Phone Ext Registrant Postal Code Registrant State/Province Registrant Street | Find out who is operating the website |
| Registrant Email Registrant Name Registrant Street | To assist in identifying domain name registrants |
| All Data Elements | To identify entity to file complaints with the Consumer Protection Agency |

User Type: DNS Abuse/Security Researcher

| Data Elements Used | Purpose |
|---|---|
| Creation Date Name Server Registrant Email Registrant Fax Registrant Name Registrant Organization Registrant Phone Registrant Postal Code Registrant State/Province Registrant Street Registrar | Abuse Investigation Crime Investigation Malicious Domain Name Registrations Security Protocols To perform reverse queries for investigations or due diligence |
| All Data Elements | Gather potential evidence to be used in court cases or lawsuits To create proprietary algorithm in order to |

| Data Elements Used | Purpose |
|---|---|
| | <p>identify sites with high probability of being malicious</p> <p>To identify potential bad actors or DNS abuse</p> |
| <p>Creation Date</p> <p>Domain Status</p> <p>Log files and,... other records associated with the Registration containing dates, times, and time zones of communications and sessions, including initial registration</p> <p>Name Server</p> <p>Registrant Email</p> <p>Registrant Name</p> <p>Registrant Phone</p> <p>Registrant Street</p> | <p>Reputation Services</p> |
| <p>Creation Date</p> <p>Domain Name</p> <p>Registrant Email</p> <p>Registrant Name</p> <p>Registrant Organization</p> <p>Registrant Phone</p> <p>Registrant Street</p> <p>Registrar Primary Contact Name</p> | <p>Research/Statistical Analysis</p> |
| <p>Log files and,... other records associated with the Registration containing dates, times, and time zones of communications and sessions, including initial registration</p> | <p>To Identify domains that may be compromised or used for DNS abuse</p> |
| <p>Registrar Primary Contact</p> | <p>To take down and malicious host mitigation</p> |

User Type: Domain Administrator

| Data Elements Used | Purpose |
|--|---|
| <p>Admin Email</p> <p>DNSSEC</p> <p>Domain Status</p> <p>Log files and,... other records associated with the Registration containing dates, times, and time zones of communications and sessions, including initial registration</p> <p>Log files, billing records and, ... other records containing communications source and destination information, including, depending on the method of transmission and without limitation: (1) Source IP</p> | <p>Domain Name Maintenance, (i.e. Deletions, DNS Changes, Renewals, Transfer Domains, etc.)</p> |

| Data Elements Used | Purpose |
|---|--|
| address, HTTP headers, (2) the telephone, text, or fax number; and (3) email address, Skype handle, or instant messaging identifier, associated with communications between Registrar and the registrant about the Registration Name Server Name Server Registrar Registration Expiration Date | |
| Creation Date Registrant Email Registrant Name Registrant Street | To assist in identifying domain name registrants To perform reverse queries for investigations or due diligence |
| Admin Email Any other registry data that registrar submitted to registry operator Creation Date DNSSEC Domain Status Name Server Registry Expiry Date | To facilitate transfers of domain names |
| Name Server | To verify name server platform for a domain name |

User Type: Domain Name Billing Administrator

| Data Elements Used | Purpose |
|---|--|
| Billing Contact Name Domain Status Log files, billing records and, ... other records containing communications source and destination information, including, depending on the method of transmission and without limitation: (1) Source IP address, HTTP headers, (2) the telephone, text, or fax number; and (3) email address, Skype handle, or instant messaging identifier, associated with communications between Registrar and the registrant about the Registration | Domain Name Maintenance, (i.e. Deletions, DNS Changes, Renewals, Transfer Domains, etc.) |

User Type: Government Agency

| Data Elements Used | Purpose |
|--------------------|---------|
|--------------------|---------|

| Data Elements Used | Purpose |
|---|---|
| Updated Date Registry Expiry Date IP Address | Abuse Investigation |
| Domain Status | Domain Name Maintenance, (i.e. Deletions, DNS Changes, Renewals, Transfer Domains, etc.) |
| Domain Name | For investigation and enforcement purposes against registrants who are infringing on Intellectual Property (IP) rights |
| Admin Name Billing Contact Name Creation Date Domain Name Name Server Registrant Email Registrant Name Tech ID | Investigation into fraudulent and inaccurate information |
| DNSSEC | Security Protocols |
| Registrar WHOIS Server | To check the accuracy of the WHOIS data To query for WHOIS information if the information is not available via the command line domain Whois |
| Registry Expiry Date | To determine domain age |
| Registrar URL | To find alternative forms of contact for the registrar if they are unresponsive |
| Registrar Abuse Contact Email | To notify registrar about reported abuse To report abusive information to a registrar |
| Reseller | To notify reseller about reported abuse |
| Registrar | To notify the appropriate registrar and/or run searches from collected domain WHOIS information for a particular registrar (e.g., how many times we have observed a particular registrar) |

User Type: ICANN Contractual Compliance

| Data Elements Used | Purpose |
|---|---|
| Creation Date Domain Status Name Server Registrant Email Registrant Name Registrant Street | Contractual Compliance for ICANN Agreements |

| Data Elements Used | Purpose |
|--------------------------------------|---------|
| Registry Expiry Date Updated Date | |

User Type: Individual Internet User

| Data Elements Used | Purpose |
|--|---|
| Registrant City Registrant Country Registrant Email Registrant Name Registrant Organization Registrant Phone Registrant Postal Code Registrant State/Province Registrant Street | Business Due Diligence Contact online retailer to resolve issues (i.e. E-Commerce, etc.) |
| Domain Name Registrant City Registrant Country Registrant Email Registrant Fax Registrant Fax Ext Registrant Name Registrant Organization Registrant Phone Registrant Phone Ext Registrant Postal Code Registrant State/Province Registrant Street Registry Expiry Date | Crime Investigation, (i.e. Identify Leads, etc) Investigation into fraudulent and inaccurate information |
| Registrant Name Registrant City Registrant Country Registrant Email Registrant Organization Registrant Phone Registrant Postal Code Registrant State/Province Registrant Street | Customer Support |

User Type: Intellectual Property Rights Holder, Investigator or Agent Representing Rights Holder (ie. Trademark owner, Copywriter Owner, etc)

| Data Elements Used | Purpose |
|--------------------|---------|
|--------------------|---------|

| Data Elements Used | Purpose |
|--|--|
| Admin Email Creation Date Domain Name Domain Status Last update of WHOIS database Name Server Registrant City Registrant Country Registrant Email Registrant Name Registrant Organization Registrant Phone Registrant Postal Code Registrant State/Province Registrant Street Registrar Registrar Abuse Contact Email Registrar Abuse Contact Phone Registry Expiry Date Reseller Tech Email Updated Date | Domain Name Maintenance, (i.e. Deletions, DNS Changes, Renewals, Transfer Domains, etc.) To assist in identifying domain name registrants To assist with filing trademark applications To help confirm (or disprove) a third-party's date of first use/priority date while conducting trademark clearance (risk analysis) when establishing new brands. |
| All Data Elements | For investigation and enforcement purposes against registrants who are infringing on Intellectual Property (IP) right To identify potential bad actors or DNS abuse |
| Domain Name | In order to evaluate the merits of a claim and the likely effectiveness of administrative and legal options |
| Admin Email Creation Date Domain Name Domain Status IP Address Last update of WHOIS database Name Server Registrant City Registrant Country Registrant Email Registrant Name Registrant Organization Registrant Phone Registrant Postal Code Registrant State/Province Registrant Street Registrar Registrar Abuse Contact Email | Investigation into fraudulent and inaccurate information To perform reverse queries for investigations or due diligence To respond to inquiries from third party service providers |

| Data Elements Used | Purpose |
|--|---|
| Registrar Abuse Contact Phone Registry Expiry Date Reseller Tech Email Updated Date | |
| Admin Email Creation Date Domain Status Last update of WHOIS database Registrant City Registrant Country Registrant Email Registrant Name Registrant Organization Registrant Phone Registrant Postal Code Registrant State/Province Registrant Street Registrar Registrar Abuse Contact Email Registrar Abuse Contact Phone Registry Expiry Date Reseller Tech Email Updated Date | To determine whether similar domains are owned by the same entity and to track infringing sites that frequently hop domains |
| Name Server | To investigate and enforce copyright infringement |

User Type: Internet Service Provider

| Data Elements Used | Purpose |
|--------------------|---|
| All | To identify potential bad actors or DNS abuse |

User Type: Law Enforcement Authority

| Data Elements Used | Purpose |
|--------------------|--|
| All Data Elements | Crime Investigation, (i.e. Identify Leads, etc.) Investigation into fraudulent and inaccurate information Terror Investigation To investigate malware incident |

| Data Elements Used | Purpose |
|---|--|
| | To use as evidence in court proceedings and trials |
| | To use in search warrant affidavits to support probable cause |
| Last update of WHOIS database | Domain Name Registration |
| Registrar WHOIS Server | To develop investigative leads (General Investigation) |
| | To perform reverse queries for investigations or due diligence |
| Last updated of WHOIS database Registrant Name Registrar WHOIS server | To identify proper parties for subpoena to serve legal process |

User Type: Legal Advisor or Investigator

| Data Elements Used | Purpose |
|--|---|
| Admin Email Creation Date Domain Name Domain Status IP Address Last update of WHOIS database Name Server Registrant City Registrant Country Registrant Email Registrant Name Registrant Organization Registrant Phone Registrant Postal Code Registrant State/Province Registrant Street Registrar Registrar Abuse Contact Email Registrar Abuse Contact Phone Registry Expiry Date Reseller Tech Email Updated Date | In order to evaluate the merits of a claim and the likely effectiveness of administrative and legal options |

User Type: Miscreant (ie, Botnet Masters, registering domains for criminal abusive purposes, etc.)

| Data Elements Used | Purpose |
|--|---|
| Registrar Name Server | Domain Name Hijack |
| Registrant Address Registrant E-mail Address Registrant Name Registrant Phone Number | Mining data for spamming/scamming |
| Name Server Reseller Registrant Name Registrant Email Registrant Phone Registrant Street Information regarding the means and source of payment reasonably necessary for the Registrar to process the Registration transaction, or a transaction number provided by a third party payment processor | To create proprietary algorithm in order to identify sites with high probability of being malicious |

User Type: Operator of the DNS

| Data Elements Used | Purpose |
|--|---------------------------------------|
| Domain Name Registrant Email Registrant Name Registrant Phone | Business Due Diligence |
| Registrant Email | To facilitate domain name acquisition |

User Type: Potential Registrant, Individual or Business (ie. Individual, Business, Brokers, Third Party, etc)

| Data Elements Used | Purpose |
|---|--|
| Domain Name Registrar Log files and,... other records associated with the Registration containing dates, times, and time zones of communications and sessions, including initial registration | Determine if domain name is available for registration |
| Any other registry data that registrar submitted to registry operator Creation Date Name Server Name server status Registrant Email Registrant Name Registrant Phone Registrant Street | To facilitate domain name acquisition |

User Type: Privacy/Proxy Service Provider

| Data Elements Used | Purpose |
|--|--|
| Registrant Email Registrant Name Registrant Street | To facilitate service providers contacting registrants |

User Type: Registrant

| Data Elements Used | Purpose |
|---|--|
| Admin City Admin Country Admin Email Admin Fax Admin Fax Ext Admin ID Admin Name Admin Organization Admin Phone Admin Phone Ext Admin Postal Code Admin State/Province Admin Street Any other registry data that registrar | Domain Name Maintenance, (i.e. Deletions, DNS Changes, Renewals, Transfer Domains, etc.) |

| Data Elements Used | Purpose |
|--|----------------------------------|
| submitted to registry operator Billing Contact Name Creation Date DNSSEC Domain Name Domain Status Information regarding the means and source of payment reasonably necessary for the Registrar to process the Registration transaction, or a transaction number provided by a third party payment processor Log files and,... other records associated with the Registration containing dates, times, and time zones of communications and sessions, including initial registration Name Server Registrant City Registrant Country Registrant Email Registrant Fax Registrant Fax Ext Registrant Name Registrant Organization Registrant Phone Registrant Phone Ext Registrant Postal Code Registrant State/Province Registrant Street Registrar Registrar Registration Expiration Date Registry Expiry Date Reseller Tech City Tech Country Tech Email Tech Fax Tech Fax Ext Tech ID Tech Name Tech Organization Tech Phone Tech Phone Ext Tech Postal Code Tech State/Province Tech Street Updated Date | |
| Domain Name Domain Status Log files and,... other records associated | Domain Name Portfolio Management |

| Data Elements Used | Purpose |
|---|---|
| with the Registration containing dates, times, and time zones of communications and sessions, including initial registration Name Server Registrant Email Registrant Name Registrant Phone Registrant Street Registrar Registry Expiry Date Tech Email Tech Phone Tech Street | |
| Any other registry data that registrar submitted to registry operator Billing Contact Name Creation Date Domain Name Information regarding the means and source of payment reasonably necessary for the Registrar to process the Registration transaction, or a transaction number provided by a third-party payment processor Name Server Registrant Email Registrant Name Registrant Phone Registrant Street Registry Expiry Date | Domain Name Registration |
| Domain Status IP Address Last update of WHOIS database Registrar Abuse Contact Email Registrar Abuse Contact Phone Registrar URL Registrar WHOIS Server Registry Registrant ID Reseller | To investigate why a domain name is no longer working |

User Type: Registrar

| Data Elements Used | Purpose |
|---|---------------------|
| Domain Name Registrant Address (street, city, state/province, zip/postal code, country) Registrant E-Mail | Abuse Investigation |

| | |
|--|--|
| Registrant Fax / Fax Ext Registrant Phone / Phone Ext Reseller | |
| Reseller | Business Due Diligence |
| Admin Fax / Fax Ext Registrant E-Mail Registrant Fax / Fax Ext Registrant Phone / Phone Ext Reseller Tech Address (street, city, state/province, zip/postal code, country) Tech Fax / Fax Ext Tech Name Tech Organization Tech Phone / Phone Ext | Customer Support |
| Admin Address (street, city, state/province, zip/postal code, country) Registrant Address (street, city, state/province, zip/postal code, country) Registrant E-Mail Registrant Fax / Fax Ext Registrant Name Registrant Organization Registrant Phone / Phone Ext Transfer Contact Birth Certificate Transfer Contact Drivers License Transfer Contact Military ID Transfer Contact Passport Transfer Contact State/Government Issued ID | Dispute Resolution (i.e. Ownership Disputes, etc.) |
| Admin Phone / Phone Ext Admin Email Registrant IP Address Transfer Contact Birth Certificate Transfer Contact Drivers License Transfer Contact Military ID Transfer Contact Passport Transfer Contact State/Government Issued ID | Domain Name Maintenance, (i.e. Deletions, DNS Changes, Renewals, Transfer Domains, etc.) |
| Creation Date Name Server Registrant Email Registrant Name Registrant Phone Registrant Street Registry Expiry Date | For regulatory licensing purposes |
| Registrant Address (street, city, state/province, zip/postal code, country) | Investigation into fraudulent and inaccurate information |
| Registrar Primary Contact Address Registrar Primary Contact Email Address | Maintain list of additional registrar contacts to serve as additional repository |

| | |
|--|--|
| Registrar Primary Contact Fax Number Registrar Primary Contact Name Registrar Primary Contact Phone Number | |
| Admin Address (street, city, state/province, zip/postal code, country) Admin Email Admin Phone / Phone Ext Registrant Address (street, city, state/province, zip/postal code, country) Registrant IP Address Tech Email Transfer Contact Birth Certificate Transfer Contact Drivers License Transfer Contact Military ID Transfer Contact Passport Transfer Contact State/Government Issued ID | Registration Validation and Verification (i.e. Nexus Requirements) |
| Registrant Name Registrant Organization | To assist in identifying domain name registrants To use in court orders |
| Tech Email | To check the accuracy of the WHOIS data |
| Domain Name | To facilitate registrations during Sunrise or Land-Rush periods |
| Registrant Email Registrant Street | To facilitate service providers contacting registrants |
| All Data Elements | To facilitate transfers of domain names To file and prosecute UDRP cases To file and prosecute URS cases Transfer data escrow provider for use in the event of failures |
| Billing Contact E• Mail Address Billing contact Fax Billing Contact Name Billing Contact Phone Billing Contact Postal Address Registrar Primary Contact Address Registrar Primary Contact Email Address Registrar Primary Contact Fax Number Registrar Primary Contact Name Registrar Primary Contact Phone Number | To invoice for domain name registrations |
| Registrar Primary Contact Address Registrar Primary Contact Email Address Registrar Primary Contact Fax Number Registrar Primary Contact Name Registrar Primary Contact Phone Number | To provide information about business updates To provide information about technical updates |
| Admin Email | To query for WHOIS information if the |

| | |
|---|--|
| Admin Phone/Phone Ext | information is not available via the command line domain Whois |
| Registrant E-Mail Registrant Fax/Fax Ext Registrant Phone/Phone Ext | To validate domain name ownership for certificate requests |

User Type: Registrar Reseller

| Data Elements Used | Purpose |
|--------------------|---------------------|
| Reseller | Reputation Services |

User Type: Registry

| Data Elements Used | Purpose |
|--|--|
| Domain Name | Abuse Investigation To facilitate registrations during Sunrise or Land-Rush periods To verify name server platform for a domain name |
| Registrant Fax/Fax Ext Registrant Phone/Phone Ext | Customer Support |
| Registrant Address (street, city, state/province, zip/postal code, country) Transfer Contact Birth Certificate Transfer Contact Driver's License Transfer Contact Military ID Transfer Contact Passport Transfer Contact State/Government Issued ID | Dispute Resolution (i.e. Ownership Disputes, etc.) |
| Domain Name Registrant IP Address Transfer Contact Birth Certificate Transfer Contact Driver's License Transfer Contact Military ID Transfer Contact Passport Transfer Contact State/Government Issued ID | Domain Name Maintenance, (i.e. Deletions, DNS Changes, Renewals, Transfer Domains, etc.) |
| Creation Date Name Server Registrant Email Registrant Name Registrant Phone Registrant Street Registry Expiry Date | For regulatory licensing purposes Maintain data redundancy records in case of failures |

| | |
|--|---|
| All Data Elements | Maintain data redundancy records in case of failures Transfer data escrow provider for use in the event of failures |
| Registrar Primary Contact Address Registrar Primary Contact Email Address Registrar Primary Contact Fax Number Registrar Primary Contact Name Registrar Primary Contact Phone Number | Maintain list of additional registrar contacts to serve as additional repository |
| Registrant Address (street, city, state/province, zip/postal code, country) Registrant IP Address Registrant Name Registrant Organization Transfer Contact Birth Certificate Transfer Contact Drivers License Transfer Contact Military ID Transfer Contact Passport Transfer Contact State/Government Issued ID | Registration Validation and Verification (i.e. Nexus Requirements) |
| Registrant IP Address | To facilitate transfers of domain names |
| Registrant Email Registrant Name Registrant Organization | To file and prosecute URS cases |
| Registrar Primary Contact Address Registrar Primary Contact Email Address Registrar Primary Contact Fax Number Registrar Primary Contact Name Registrar Primary Contact Phone Number | To invoice for domain name registrations To provide information about business updates To provide information about technical updates |
| Registrant Name Registrant Organization | To use in court orders |

User Type: Reputation Service Provider

| Data Elements Used | Purpose |
|--------------------|---|
| All | To provide White-List service for delivery of E-mails by mail box providers |

User Type: Tax Authority

| Data Elements Used | Purpose |
|--|--|
| Creation Date Name Server Name server status Registrant Email Registrant Name Registrant Phone Registrant Street | Investigation into fraudulent and inaccurate information |

User Type: Technical Domain Administrator

| Data Elements Used | Purpose |
|--------------------------------------|--|
| Registrant Email Registrant Phone | To facilitate technical issue resolution |

User Type: Third Party Whois Providers

| Data Elements Used | Purpose |
|--|-----------------------------------|
| Creation Date Name Server Registrant Email Registrant Name Registrant Phone Registrant Street Registry Expiry Date | For regulatory licensing purposes |

User Type: UDRP Panelist or Service Provider

| Data Elements Used | Purpose |
|---|--|
| Creation Date Domain Name Domain Status Registrant City Registrant Country Registrant Email Registrant Name Registrant Organization Registrant Phone Registrant Postal Code Registrant State/Province Registrant Street Registrar | Dispute Resolution (i.e. Ownership Disputes, etc.) |

| Data Elements Used | Purpose |
|--|--|
| Registry Expiry Date Updated Date | |
| Admin Email Creation Date Domain Name Domain Status IP Address Last update of WHOIS database Name Server Registrant City Registrant Country Registrant Email Registrant Name Registrant Organization Registrant Phone Registrant Postal Code Registrant State/Province Registrant Street Registrar Registrar Abuse Contact Email Registrar Abuse Contact Phone Registry Expiry Date Reseller Tech Email Updated Date | To assist in identifying domain name registrants |
| Creation Date Domain Name Domain Status Registrant City Registrant Country Registrant Email Registrant Name Registrant Organization Registrant Phone Registrant Postal Code Registrant State/Province Registrant Street Registrar Registry Expiry Date Updated Date | To file and prosecute UDRP cases |

User Type: Web Hosting/Email Hosting

| Data Elements Used | Purpose |
|--------------------|---|
| All | To identify potential bad actors or DNS abuse |

Appendices

Appendix 1: Stakeholders That Provided Input

[Criminal and Consumer Protection Law Enforcement Agency](#)

[EUROPOL, European Cybercrime Centre \(EC3\)](#)

[ICANN At-Large Advisory Committee \(ALAC\)](#)

[ICANN Business Constituency \(BC\)](#)

[ICANN Contracted Parties House \(CPH\)](#)

[ICANN Governmental Advisory Committee \(GAC\) Public Safety Working Group \(PSWG\)](#)

[ICANN Intellectual Property Constituency \(IPC\)](#)

[Individual User – Ayden Férdeline](#)

[Individual User – Rod Rasmussen](#)

[Microsoft](#)

[Neustar](#)

[United States Department of Justice \(DOJ\) / Federal Bureau of Investigation \(FBI\)](#)

[United States Internal Revenue Service \(IRS\)](#)

Appendix 2: User Types

ICANN identified the following 29 user types from the responses provided:

1. Brand Owner
2. Business Advisors (e.g. Law Firms, Investment Banks, Accounting Firms, etc.)
3. Certificate Authority (e.g. SSL, etc.)
4. Consumer Protection Agency
5. Consumer/General Public
6. DNS Abuse/Security Researcher
7. Domain Administrator
8. Domain Name Billing Administrator
9. Government Agency
10. ICANN Contractual Compliance
11. Individual Internet User
12. Intellectual Property Rights Holder, Investigator or Agent Representing Rights Holder (e.g. Trademark owner, Copywriter Owner, etc)
13. Internet Service Provider
14. Law Enforcement Authority
15. Legal Advisor or Investigator
16. Miscreants (e.g Botnet Masters, registering domains for criminal abusive purposes, etc.)
17. Operator of the DNS
18. Potential Registrant, Individual or Business (e.g. Individual, Business, Brokers, Third Party, etc)
19. Privacy/Proxy Service Provider
20. Registrant
21. Registrar
22. Registrar Reseller
23. Registry
24. Reputation Service Provider
25. Tax Authority
26. Technical Domain Administrator
27. Third Party WHOIS Providers
28. UDRP Panelist or Service Provider
29. Web Hosting/Email Hosting

Appendix 3: Purpose Categories

ICANN identified the following 71 purpose categories from the responses provided:

1. Abuse Investigation
2. Business Due Diligence
3. Certification Services
4. Contact online retailer to resolve issues (i.e. E-Commerce, etc.)
5. Contact website operator to resolve website issues
6. Contractual Compliance for ICANN Agreements
7. Crime Investigation, (i.e. Identify Leads, etc.)
8. Customer Support
9. Determine if domain name is available for registration
10. Dispute Resolution (i.e. Ownership Disputes, etc.)
11. Domain Name Hijack
12. Domain Name Maintenance, (i.e. Deletions, DNS Changes, Renewals, Transfer Domains, etc.)
13. Domain Name Portfolio Management
14. Domain Name Registration
15. Find out who is operating the website
16. For investigation and enforcement purposes against registrants who are infringing on Intellectual Property (IP) rights
17. For regulatory licensing purposes
18. Gather potential evidence to be used in court cases or lawsuits
19. In order to evaluate the merits of a claim and the likely effectiveness of administrative and legal options,
20. Investigation into fraudulent and inaccurate information
21. Lender or agent to assess compliance of loans secured by domain names
22. Maintain data redundancy records in case of failures
23. Maintain list of additional registrar contacts to serve as additional repository
24. Mining data for spamming/scamming
25. Registration Validation and Verification (i.e. Nexus Requirements)
26. Reputation Services
27. Research/Statistical Analysis
28. Security Protocols
29. Terror Investigation
30. To assist in identifying domain name registrants
31. To assist with filing trademark applications
32. To check the accuracy of the WHOIS data
33. To create proprietary algorithm in order to identify sites with high probability of being malicious
34. To determine domain age
35. To determine whether similar domains are owned by the same entity and to track infringing sites that frequently hop domains
36. To develop investigative leads (General Investigation)
37. To facilitate domain name acquisition
38. To facilitate registrations during Sunrise or Land-Rush periods
39. To facilitate service providers contacting registrants
40. To facilitate technical issue resolution
41. To facilitate transfers of domain names

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42. To file and prosecute UDRP cases
 43. To file and prosecute URS cases
 44. To find alternative forms of contact for the registrar if they are unresponsive
 45. To help confirm (or disprove) a third-party's date of first use/priority date while conducting trademark clearance (risk analysis) when establishing new brands.
 46. To identify domains that may be compromised or used for DNS abuse
 47. To identify entity to file complaints with the Consumer Protection Agency
 48. To identify potential bad actors or DNS abuse
 49. To identify proper parties for subpoena to serve legal process
 50. To investigate and enforce copyright infringement
 51. To investigate malware incident
 52. To investigate why a domain name is no longer working
 53. To invoice for domain name registrations
 54. To notify registrar about reported abuse
 55. To notify reseller about reported abuse
 56. To notify the appropriate registrar and/or run searches from collected domain WHOIS information for a particular registrar (e.g., how many times we have observed a particular registrar)
 57. To perform reverse queries for investigations or due diligence
 58. To preserve historical information about domain name registrations
 59. To provide information about business updates
 60. To provide information about technical updates
 61. To provide White-List service for delivery of E-mails by mail box providers
 62. To query for WHOIS information if the information is not available via the command line domain WHOIS
 63. To report abusive information to a registrar
 64. To respond to inquiries from third party service providers
 65. To take down and malicious host mitigation
 66. To use as evidence in court proceedings and trials
 67. To use in court orders
 68. To use in search warrant affidavits to support probable cause
 69. To validate domain name ownership for certificate requests
 70. To verify name server platform for a domain name
 71. Transfer data escrow provider for use in the event of failures

Appendix 4: Data Elements and the ICANN Policy/Agreement Requiring Transmission of Data Element

ICANN identified the following 97 categories of data elements from the responses provided:

| Potential Personal Data Elements | | Policy/Agreement Requiring Collection, Transmission, Publication or Retention of Data Element |
|----------------------------------|---|--|
| | <u>DOMAIN NAME REGISTRATION DATA</u> | |
| 1. | Domain Name | <ul style="list-style-type: none"> ⊙ Add Grace Period Limits Policy ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification ⊙ Thick Whois Policy ⊙ Transfer Policy ⊙ Uniform Domain Name Dispute Resolution Policy (UDRP) |
| 2. | Registry Domain ID | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification ⊙ Thick Whois Policy |
| 3. | Registrar WHOIS Server | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification ⊙ Thick Whois Policy |
| 4. | Registrar URL | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification ⊙ Thick Whois Policy |
| 5. | Updated Date | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification ⊙ Thick Whois Policy |
| 6. | Creation Date | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification ⊙ Thick Whois Policy |
| 7. | Registry Expiry Date | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification |

| Potential Personal Data Elements | | Policy/Agreement Requiring Collection, Transmission, Publication or Retention of Data Element |
|----------------------------------|--|--|
| | | <ul style="list-style-type: none"> ⊙ Thick Whois Policy |
| 8. | Registrar Registration Expiration Date | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification ⊙ Thick Whois Policy |
| 9. | Registrar | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification ⊙ Thick Whois Policy |
| 10. | Registrar IANA ID | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification ⊙ Thick Whois Policy |
| 11. | Registrar Abuse Contact Email | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification ⊙ Thick Whois Policy |
| 12. | Registrar Abuse Contact Phone | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification ⊙ Thick Whois Policy |
| 13. | Reseller | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registrar Accreditation Agreement – RDS/Whois Specification ⊙ Thick Whois Policy |
| 14. | Domain Status | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification ⊙ Thick Whois Policy |
| 15. | Registry Registrant ID | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification ⊙ Thick Whois Policy |
| 16. | Registrant Name | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification; Registrar Data Escrow (RAA Sec. 3.6) ⊙ Thick Whois Policy ⊙ Transfer Policy |
| 17. | Registrant Organization | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy |

| Potential Personal Data Elements | | Policy/Agreement Requiring Collection, Transmission, Publication or Retention of Data Element |
|----------------------------------|---------------------------|--|
| | | <ul style="list-style-type: none"> ⊙ Registrar Accreditation Agreement – RDS/Whois Specification ⊙ Thick Whois Policy |
| 18. | Registrant Street | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification; Registrar Data Escrow (RAA Sec. 3.6) ⊙ Thick Whois Policy ⊙ Transfer Policy |
| 19. | Registrant City | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification; Registrar Data Escrow (RAA Sec. 3.6) ⊙ Thick Whois Policy ⊙ Transfer Policy |
| 20. | Registrant State/Province | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification; Registrar Data Escrow (RAA Sec. 3.6) ⊙ Thick Whois Policy ⊙ Transfer Policy |
| 21. | Registrant Postal Code | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification; Registrar Data Escrow (RAA Sec. 3.6) ⊙ Thick Whois Policy ⊙ Transfer Policy |
| 22. | Registrant Country | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification; Registrar Data Escrow (RAA Sec. 3.6) ⊙ Thick Whois Policy ⊙ Transfer Policy |
| 23. | Registrant Phone | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification ⊙ Thick Whois Policy |
| 24. | Registrant Phone Ext | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification ⊙ Thick Whois Policy |

| Potential Personal Data Elements | | Policy/Agreement Requiring Collection, Transmission, Publication or Retention of Data Element |
|----------------------------------|----------------------|---|
| 25. | Registrant Fax | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification ⊙ Thick Whois Policy |
| 26. | Registrant Fax Ext | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification ⊙ Thick Whois Policy |
| 27. | Registrant Email | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification ⊙ Thick Whois Policy |
| 28. | Admin ID | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification ⊙ Thick Whois Policy |
| 29. | Admin Name | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification; Registrar Data Escrow (RAA Sec. 3.6) ⊙ Thick Whois Policy |
| 30. | Admin Organization | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification ⊙ Thick Whois Policy |
| 31. | Admin Street | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification; Registrar Data Escrow (RAA Sec. 3.6) ⊙ Thick Whois Policy |
| 32. | Admin City | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification; Registrar Data Escrow (RAA Sec. 3.6) ⊙ Thick Whois Policy |
| 33. | Admin State/Province | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification; Registrar Data Escrow (RAA Sec. 3.6) |

| Potential Personal Data Elements | | Policy/Agreement Requiring Collection, Transmission, Publication or Retention of Data Element |
|----------------------------------|-------------------|---|
| | | <ul style="list-style-type: none"> ⦿ Thick Whois Policy |
| 34. | Admin Postal Code | <ul style="list-style-type: none"> ⦿ Thick Whois Policy ⦿ Consistent Labeling and Display Policy ⦿ Registry Agreement – RDS/Whois Specification ⦿ Registrar Accreditation Agreement – RDS/Whois Specification; Registrar Data Escrow (RAA Sec. 3.6) ⦿ Thick Whois Policy |
| 35. | Admin Country | <ul style="list-style-type: none"> ⦿ Consistent Labeling and Display Policy ⦿ Registry Agreement – RDS/Whois Specification ⦿ Registrar Accreditation Agreement – RDS/Whois Specification; Registrar Data Escrow (RAA Sec. 3.6) ⦿ Thick Whois Policy |
| 36. | Admin Phone | <ul style="list-style-type: none"> ⦿ Consistent Labeling and Display Policy ⦿ Registry Agreement – RDS/Whois Specification ⦿ Registrar Accreditation Agreement – RDS/Whois Specification; Registrar Data Escrow (RAA Sec. 3.6) ⦿ Thick Whois Policy |
| 37. | Admin Phone Ext | <ul style="list-style-type: none"> ⦿ Consistent Labeling and Display Policy ⦿ Registry Agreement – RDS/Whois Specification ⦿ Registrar Accreditation Agreement – RDS/Whois Specification; Registrar Data Escrow (RAA Sec. 3.6) ⦿ Thick Whois Policy |
| 38. | Admin Fax | <ul style="list-style-type: none"> ⦿ Consistent Labeling and Display Policy ⦿ Registry Agreement – RDS/Whois Specification ⦿ Registrar Accreditation Agreement – RDS/Whois Specification; Registrar Data Escrow (RAA Sec. 3.6) ⦿ Thick Whois Policy |
| 39. | Admin Fax Ext | <ul style="list-style-type: none"> ⦿ Consistent Labeling and Display Policy ⦿ Registry Agreement – RDS/Whois Specification ⦿ Registrar Accreditation Agreement – RDS/Whois Specification; Registrar Data Escrow (RAA Sec. 3.6) ⦿ Thick Whois Policy |
| 40. | Admin Email | <ul style="list-style-type: none"> ⦿ Consistent Labeling and Display Policy ⦿ Registry Agreement – RDS/Whois Specification ⦿ Registrar Accreditation Agreement – RDS/Whois Specification; Registrar Data Escrow (RAA Sec. 3.6) ⦿ Thick Whois Policy |
| 41. | Tech ID | <ul style="list-style-type: none"> ⦿ Consistent Labeling and Display Policy ⦿ Registry Agreement – RDS/Whois Specification ⦿ Registrar Accreditation Agreement – RDS/Whois Specification ⦿ Thick Whois Policy |

| Potential Personal Data Elements | | Policy/Agreement Requiring Collection, Transmission, Publication or Retention of Data Element |
|----------------------------------|---------------------|---|
| 42. | Tech Name | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification; Registrar Data Escrow (RAA Sec. 3.6) ⊙ Thick Whois Policy |
| 43. | Tech Organization | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification ⊙ Thick Whois Policy |
| 44. | Tech Street | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification; Registrar Data Escrow (RAA Sec. 3.6) ⊙ Thick Whois Policy |
| 45. | Tech City | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification; Registrar Data Escrow (RAA Sec. 3.6) ⊙ Thick Whois Policy |
| 46. | Tech State/Province | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification; Registrar Data Escrow (RAA Sec. 3.6) ⊙ Thick Whois Policy |
| 47. | Tech Postal Code | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification; Registrar Data Escrow (RAA Sec. 3.6) ⊙ Thick Whois Policy |
| 48. | Tech Country | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification; Registrar Data Escrow (RAA Sec. 3.6) ⊙ Thick Whois Policy |
| 49. | Tech Phone | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification; Registrar Data Escrow (RAA Sec. 3.6) ⊙ Thick Whois Policy |
| 50. | Tech Phone Ext | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy |

| Potential Personal Data Elements | | Policy/Agreement Requiring Collection, Transmission, Publication or Retention of Data Element |
|----------------------------------|--|---|
| | | <ul style="list-style-type: none"> ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification; Registrar Data Escrow (RAA Sec. 3.6) ⊙ Thick Whois Policy |
| 51. | Tech Fax | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification; Registrar Data Escrow (RAA Sec. 3.6) ⊙ Thick Whois Policy |
| 52. | Tech Fax Ext | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification; Registrar Data Escrow (RAA Sec. 3.6) ⊙ Thick Whois Policy |
| 53. | Tech Email | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification; Registrar Data Escrow (RAA Sec. 3.6) ⊙ Thick Whois Policy |
| 54. | Name Server | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification ⊙ Thick Whois Policy |
| 55. | DNSSEC | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification ⊙ Thick Whois Policy |
| 56. | Last update of WHOIS database | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement – RDS/Whois Specification ⊙ Thick Whois Policy |
| 57. | IP Address | <ul style="list-style-type: none"> ⊙ Consistent Labeling and Display Policy ⊙ Registry Agreement – RDS/Whois Specification ⊙ Registrar Accreditation Agreement ⊙ Thick Whois Policy |
| | <u>ADDITIONAL DOMAIN NAME REGISTRATION DATA</u> | |
| 58. | Billing Contact ID | Registry Agreement – Whois Specification (some legacy gTLDs) |

| Potential Personal Data Elements | | Policy/Agreement Requiring Collection, Transmission, Publication or Retention of Data Element |
|----------------------------------|----------------------------------|--|
| 59. | Billing Contact Name | <ul style="list-style-type: none"> ⊙ Registry Agreement – Whois Specification (some legacy gTLDs) ⊙ Registrar Accreditation Agreement – Registrar Data Escrow and Data Retention Specification |
| 60. | Billing Contact Organization | <ul style="list-style-type: none"> ⊙ Registry Agreement – Whois Specification (some legacy gTLDs) |
| 61. | Billing Contact Address | <ul style="list-style-type: none"> ⊙ Registry Agreement – Whois Specification (some legacy gTLDs) ⊙ Registrar Accreditation Agreement – Registrar Data Escrow and Data Retention Specification |
| 62. | Billing Contact City | <ul style="list-style-type: none"> ⊙ Registry Agreement – Whois Specification (some legacy gTLDs) ⊙ Registrar Accreditation Agreement – Registrar Data Escrow and Data Retention Specification |
| 63. | Billing Contact State/Province | <ul style="list-style-type: none"> ⊙ Registry Agreement – Whois Specification (some legacy gTLDs) ⊙ Registrar Accreditation Agreement – Registrar Data Escrow and Data Retention Specification |
| 64. | Billing Contact Postal Code | <ul style="list-style-type: none"> ⊙ Registry Agreement – Whois Specification (some legacy gTLDs) ⊙ Registrar Accreditation Agreement – Registrar Data Escrow and Data Retention Specification |
| 65. | Billing Contact Country | <ul style="list-style-type: none"> ⊙ Registry Agreement – Whois Specification (some legacy gTLDs) ⊙ Registrar Accreditation Agreement – Registrar Data Escrow and Data Retention Specification |
| 66. | Billing Contact Phone Number | <ul style="list-style-type: none"> ⊙ Registry Agreement – Whois Specification (some legacy gTLDs) ⊙ Registrar Accreditation Agreement – Registrar Data Escrow and Data Retention Specification |
| 67. | Billing Contact Phone Number Ext | <ul style="list-style-type: none"> ⊙ Registry Agreement – Whois Specification (some legacy gTLDs) ⊙ Registrar Accreditation Agreement – Registrar Data Escrow and Data Retention Specification |
| 68. | Billing Contact Fax Number | <ul style="list-style-type: none"> ⊙ Registry Agreement – Whois Specification (some legacy gTLDs) ⊙ Registrar Accreditation Agreement – Registrar Data Escrow and Data Retention Specification |
| 69. | Billing Contact Fax Ext | <ul style="list-style-type: none"> ⊙ Registry Agreement – Whois Specification (some legacy gTLDs) ⊙ Registrar Accreditation Agreement – Registrar Data Escrow and Data Retention Specification |
| 70. | Billing Contact Email | <ul style="list-style-type: none"> ⊙ Registry Agreement – Whois Specification (some legacy gTLDs) ⊙ Registrar Accreditation Agreement – Registrar Data Escrow and Data Retention Specification |
| 71. | Maintainer URL | Registry Agreement – Whois Specification (some legacy gTLDs) |

| Potential Personal Data Elements | | Policy/Agreement Requiring Collection, Transmission, Publication or Retention of Data Element |
|----------------------------------|--|---|
| 72. | The ENS_AuthId identifying the authorization of the registration | Registry Agreement – Whois Specification (some legacy gTLDs) |
| 73. | Last Transferred Date | Registry Agreement – Whois Specification (some legacy gTLDs) |
| 74. | Name server status | Registry Agreement – Whois Specification (some legacy gTLDs) |
| TRANSACTION DATA | | |
| 75. | Any other registry data that registrar submitted to registry operator | Registrar Accreditation Agreement – Registrar Data Escrow and Data Retention Specification |
| 76. | Types of domain name services purchased for use in connection with the registration | Registrar Accreditation Agreement –Data Retention Specification |
| 77. | “Card on file,” current period third party transaction number, or other recurring payment data | Registrar Accreditation Agreement –Data Retention Specification |
| 78. | Information regarding the means and source of payment reasonably necessary for the Registrar to process the Registration transaction, or a transaction number provided by a third party payment processor | Registrar Accreditation Agreement –Data Retention Specification |
| 79. | Log files, billing records and, ... other records containing communications source and destination information, including, depending on the method of transmission and without limitation: (1) Source IP address, HTTP headers, (2) the telephone, text, or fax number; and (3) email address, Skype handle, or instant messaging identifier, associated with communications between Registrar and the registrant about the Registration | Registrar Accreditation Agreement –Data Retention Specification |
| 80. | Log files and, ... other records associated with the Registration containing dates, times, and time zones of communications and sessions, including initial registration | Registrar Accreditation Agreement –Data Retention Specification |
| 81. | Privacy/Proxy Customer contact information | Registrar Accreditation Agreement –Data Escrow |
| OTHER DATA ELEMENTS | | |
| 82. | Transfer Contact Drivers License | Transfer Policy |
| 83. | Transfer Contact Passport | Transfer Policy |
| 84. | Transfer Contact Military ID | Transfer Policy |
| 85. | Transfer Contact State/Government Issued ID | Transfer Policy |
| 86. | Transfer Contact Birth Certificate | Transfer Policy |
| 87. | Registrar Primary Contact Name | Registrar Accreditation Agreement – Registrar Information Specification |
| 88. | Registrar Primary Contact Address | Registrar Accreditation Agreement – Registrar Information Specification |

| Potential Personal Data Elements | | Policy/Agreement Requiring Collection, Transmission, Publication or Retention of Data Element |
|----------------------------------|--|--|
| 89. | Registrar Primary Contact Phone Number | Registrar Accreditation Agreement – Registrar Information Specification |
| 90. | Registrar Primary Contact Fax Number | Registrar Accreditation Agreement – Registrar Information Specification |
| 91. | Registrar Primary Contact Email Address | Registrar Accreditation Agreement – Registrar Information Specification |
| 92. | Name and Contact Information of Shareholders with 5% ownership interest in Registrar | Registrar Accreditation Agreement – Registrar Information Specification |
| 93. | Full name, contact information, and position of all directors of the Registrar | Registrar Accreditation Agreement – Registrar Information Specification |
| 94. | Full name, contact information, and position of all officers of the Registrar | Registrar Accreditation Agreement – Registrar Information Specification |
| 95. | Ultimate parent entity of the Registrar, if applicable | Registrar Accreditation Agreement – Registrar Information Specification |
| 96. | List of Registrars' Resellers | Registrar Accreditation Agreement – Registrar Information Specification |
| 97. | Those objects necessary in order to offer all of the approved Registry Services | <ul style="list-style-type: none"> ⦿ Registry Agreement, Specification 2 (Data Escrow) ⦿ Emergency Backend Registry Operator (EBERO) |

Appendix 5: Number of User Types per Data Element

| DATA ELEMENT LIST | | # of User Types |
|-------------------|---|-----------------|
| 1 | Registrant Name | 27 |
| 2 | Registrant Street | 25 |
| 3 | Creation Date | 24 |
| 4 | Name Server | 23 |
| 5 | Registrant Phone | 23 |
| 6 | Registry Expiry Date | 22 |
| 7 | Domain Status | 19 |
| 8 | Domain Name | 18 |
| 9 | Registrar | 18 |
| 10 | Reseller | 18 |
| 11 | Registrant Country | 17 |
| 12 | Updated Date | 17 |
| 13 | IP Address | 16 |
| 14 | Registrant City | 16 |
| 15 | Registrant Organization | 16 |
| 16 | Registrant Postal Code | 16 |
| 17 | Registrant State/Province | 16 |
| 18 | Registrar Abuse Contact Email | 16 |
| 19 | Admin Email | 15 |
| 20 | DNSSEC | 15 |
| 21 | Last update of WHOIS database | 15 |
| 22 | Log files and, ... other records associated with the Registration containing dates, times, and time zones of communications and sessions, including initial registration | 15 |
| 23 | Registrar Abuse Contact Phone | 15 |
| 24 | Tech Email | 15 |
| 25 | Name server status | 14 |
| 26 | Any other registry data that registrar submitted to registry operator | 13 |
| 27 | Billing Contact Name | 13 |
| 28 | Information regarding the means and source of payment reasonably necessary for the Registrar to process the Registration transaction, or a transaction number provided by a third party payment processor | 13 |
| 29 | Registrant Fax | 13 |
| 30 | Registrant Fax Ext | 13 |
| 31 | Registrant Phone Ext | 13 |
| 32 | Registrar Registration Expiration Date | 13 |
| 33 | Registrar URL | 13 |
| 34 | Registrar WHOIS Server | 13 |
| 35 | Registry Registrant ID | 13 |
| 36 | Tech ID | 13 |
| 37 | Admin Name | 12 |
| 38 | Log files, billing records and, ... other records containing communications source and destination information, including, | 12 |

| DATA ELEMENT LIST | | # of User Types |
|-------------------|---|-----------------|
| | depending on the method of transmission and without limitation: (1) Source IP address, HTTP headers, (2) the telephone, text, or fax number; and (3) email address, Skype handle, or instant messaging identifier, associated with communications between Registrar and the registrant about the Registration | |
| 39 | Tech City | 12 |
| 40 | Tech Country | 12 |
| 41 | Tech Fax | 12 |
| 42 | Tech Fax Ext | 12 |
| 43 | Tech Name | 12 |
| 44 | Tech Organization | 12 |
| 45 | Tech Phone | 12 |
| 46 | Tech Phone Ext | 12 |
| 47 | Tech Postal Code | 12 |
| 48 | Tech State/Province | 12 |
| 49 | Tech Street | 12 |
| 50 | Transfer Contact Birth Certificate | 12 |
| 51 | Admin City | 11 |
| 52 | Admin Country | 11 |
| 53 | Admin Fax | 11 |
| 54 | Admin ID | 11 |
| 55 | Admin Organization | 11 |
| 56 | Admin Phone | 11 |
| 57 | Admin Phone Ext | 11 |
| 58 | Admin Postal Code | 11 |
| 59 | Admin State/Province | 11 |
| 60 | Admin Street | 11 |
| 61 | Billing Contact Phone Number | 11 |
| 62 | Billing Contact Postal Code | 11 |
| 63 | Registrant Email | 11 |
| 64 | Registrar Primary Contact Address | 11 |
| 65 | Registrar Primary Contact Email Address | 11 |
| 66 | Registrar Primary Contact Fax Number | 11 |
| 67 | Registrar Primary Contact Name | 11 |
| 68 | Registrar Primary Contact Phone Number | 11 |
| 69 | Transfer Contact Drivers License | 11 |
| 70 | Transfer Contact Military ID | 11 |
| 71 | Transfer Contact Passport | 11 |
| 72 | Transfer Contact State/Government Issued ID | 11 |
| 73 | Admin Fax Ext | 10 |
| 74 | Billing Contact Address | 10 |
| 75 | Billing Contact City | 10 |
| 76 | Billing Contact Country | 10 |
| 77 | Billing Contact Email | 10 |
| 78 | Billing Contact Fax Ext | 10 |
| 79 | Billing Contact Fax Number | 10 |

| DATA ELEMENT LIST | | # of User Types |
|-------------------|--|-----------------|
| 80 | Billing Contact ID | 10 |
| 81 | Billing Contact Organization | 10 |
| 82 | Billing Contact Phone Number Ext | 10 |
| 83 | Billing Contact State/Province | 10 |
| 84 | "Card on file," current period third party transaction number, or other recurring payment data | 10 |
| 85 | Full name, contact information, and position of all directors of the Registrar | 10 |
| 86 | Full name, contact information, and position of all officers of the Registrar | 10 |
| 87 | Last Transferred Date | 10 |
| 88 | List of Registrars' Resellers | 10 |
| 89 | Maintainer URL | 10 |
| 90 | Name and Contact Information of Shareholders with 5% ownership interest in Registrar | 10 |
| 91 | Privacy/Proxy Customer contact information | 10 |
| 92 | Registrar IANA ID | 10 |
| 93 | Registry Domain ID | 10 |
| 94 | The ENS_AuthId identifying the authorization of the registration | 10 |
| 95 | Those objects necessary in order to offer all of the approved Registry Services | 10 |
| 96 | Types of domain name services purchased for use in connection with the registration | 10 |
| 97 | Ultimate parent entity of the Registrar, if applicable | 10 |
| 98 | All Data Elements** | 10 |

Appendix 6: Number of User Purposes per Data Element

| DATA ELEMENT LIST | | # of Purposes |
|-------------------|--|---------------|
| 1 | Registrant Name | 51 |
| 2 | Registrant Phone | 48 |
| 3 | Registrant Street | 48 |
| 4 | Creation Date | 43 |
| 5 | Name Server | 41 |
| 6 | Registrant Organization | 40 |
| 7 | Registrar | 40 |
| 8 | Registry Expiry Date | 38 |
| 9 | Registrant Postal Code | 37 |
| 10 | Registrant State/Province | 37 |
| 11 | Domain Name | 36 |
| 12 | Domain Status | 36 |
| 13 | Registrant City | 35 |
| 14 | Reseller | 35 |
| 15 | Registrant Email | 35 |
| 16 | Updated Date | 34 |
| 17 | Admin Email | 33 |
| 18 | Registrant Country | 33 |
| 19 | Tech Email | 33 |
| 20 | Last update of WHOIS database | 32 |
| 21 | Registrar Abuse Contact Email | 32 |
| 22 | IP Address | 30 |
| 23 | Registrant Fax | 30 |
| 24 | Registrar Abuse Contact Phone | 30 |
| 25 | Log files and, ... other records associated with the Registration containing dates, times, and time zones of communications and sessions, including initial registration | 26 |
| 26 | Registrar WHOIS Server | 26 |
| 27 | Registrar Primary Contact Email Address | 25 |
| 28 | Registrar Primary Contact Fax Number | 25 |
| 29 | Registrar Primary Contact Name | 25 |
| 30 | Admin City | 24 |
| 31 | Registrar Primary Contact Address | 24 |
| 32 | Registrar Primary Contact Phone Number | 24 |
| 33 | Admin Fax Ext | 23 |
| 34 | Any other registry data that registrar submitted to registry operator | 23 |
| 35 | DNSSEC | 23 |
| 36 | Tech Phone | 23 |
| 37 | Transfer Contact Birth Certificate | 23 |
| 38 | Transfer Contact Drivers License | 23 |
| 39 | Transfer Contact Military ID | 23 |
| 40 | Transfer Contact Passport | 23 |

| DATA ELEMENT LIST | | # of Purposes |
|-------------------|--|---------------|
| 41 | Transfer Contact State/Government Issued ID | 23 |
| 42 | Admin Country | 22 |
| 43 | Admin Name | 22 |
| 44 | Admin Organization | 22 |
| 45 | Admin Phone | 22 |
| 46 | Admin Phone Ext | 22 |
| 47 | Admin Postal Code | 22 |
| 48 | Admin State/Province | 22 |
| 49 | Admin Street | 22 |
| 50 | Billing Contact Name | 22 |
| 51 | Information regarding the means and source of payment reasonably necessary for the Registrar to process the Registration transaction, or a transaction number provided by a third party payment processor | 22 |
| 52 | Registrant Fax Ext | 22 |
| 53 | Registrant Phone Ext | 22 |
| 54 | Registrar Registration Expiration Date | 22 |
| 55 | Registrar URL | 22 |
| 56 | Registry Registrant ID | 22 |
| 57 | Tech City | 22 |
| 58 | Tech Fax | 22 |
| 59 | Tech Name | 22 |
| 60 | Tech Organization | 22 |
| 61 | Tech Street | 22 |
| 62 | Admin Fax | 21 |
| 63 | Admin ID | 21 |
| 64 | Billing Contact Phone Number | 21 |
| 65 | Billing Contact Postal Code | 21 |
| 66 | Log files, billing records and, ... other records containing communications source and destination information, including, depending on the method of transmission and without limitation: (1) Source IP address, HTTP headers, (2) the telephone, text, or fax number; and (3) email address, Skype handle, or instant messaging identifier, associated with communications between Registrar and the registrant about the Registration | 21 |
| 67 | Name server status | 21 |
| 68 | Tech Country | 21 |
| 69 | Tech Fax Ext | 21 |
| 70 | Tech ID | 21 |
| 71 | Tech Phone Ext | 21 |
| 72 | Tech Postal Code | 21 |
| 73 | Tech State/Province | 21 |
| 74 | Billing Contact Email | 20 |
| 75 | Billing Contact Fax Number | 20 |
| 76 | Billing Contact Address | 19 |
| 77 | Billing Contact City | 19 |
| 78 | Billing Contact Country | 19 |

| DATA ELEMENT LIST | | # of Purposes |
|-------------------|--|---------------|
| 79 | Billing Contact Fax Ext | 19 |
| 80 | Billing Contact ID | 19 |
| 81 | Billing Contact Organization | 19 |
| 82 | Billing Contact Phone Number Ext | 19 |
| 83 | Billing Contact State/Province | 19 |
| 84 | “Card on file,” current period third party transaction number, or other recurring payment data | 19 |
| 85 | Full name, contact information, and position of all directors of the Registrar | 19 |
| 86 | Full name, contact information, and position of all officers of the Registrar | 19 |
| 87 | Last Transferred Date | 19 |
| 88 | List of Registrars’ Resellers | 19 |
| 89 | Maintainer URL | 19 |
| 90 | Name and Contact Information of Shareholders with 5% ownership interest in Registrar | 19 |
| 91 | Privacy/Proxy Customer contact information | 19 |
| 92 | Registrar IANA ID | 19 |
| 93 | Registry Domain ID | 19 |
| 94 | The ENS_AuthId identifying the authorization of the registration | 19 |
| 95 | Those objects necessary in order to offer all of the approved Registry Services | 19 |
| 96 | Types of domain name services purchased for use in connection with the registration | 19 |
| 97 | Ultimate parent entity of the Registrar, if applicable | 19 |
| 98 | All Data Elements** | 19 |

Appendix 7: Purposes Identified in Descending Order of Utilization

| # | Purpose Categories | # of Utilization |
|----|--|------------------|
| 1 | To perform reverse queries for investigations or due diligence | 109 |
| 2 | Domain Name Maintenance, (i.e. Deletions, DNS Changes, Renewals, Transfer Domains, etc.) | 107 |
| 3 | Investigation into fraudulent and inaccurate information | 105 |
| 4 | Crime Investigation, (i.e. Identify Leads, etc.) | 93 |
| 5 | For investigation and enforcement purposes against registrants who are infringing on Intellectual Property (IP) rights | 79 |
| 6 | To assist in identifying domain name registrants | 78 |
| 7 | Security Protocols | 56 |
| 8 | Business Due Diligence | 50 |
| 9 | Dispute Resolution (i.e. Ownership Disputes, etc.) | 33 |
| 10 | Find out who is operating the website | 33 |
| 11 | Abuse Investigation | 32 |
| 12 | For regulatory licensing purposes | 28 |
| 13 | In order to evaluate the merits of a claim and the likely effectiveness of administrative and legal options, | 25 |
| 14 | To respond to inquiries from third party service providers | 24 |
| 15 | To assist with filing trademark applications | 23 |
| 16 | To help confirm (or disprove) a third-party's date of first use/priority date while conducting trademark clearance (risk analysis) when establishing new brands. | 22 |
| 17 | Customer Support | 21 |
| 18 | To determine whether similar domains are owned by the same entity and to track infringing sites that frequently hop domains | 21 |
| 19 | Registration Validation and Verification (i.e. Nexus Requirements) | 20 |
| 20 | To facilitate domain name acquisition | 20 |
| 21 | To file and prosecute UDRP cases | 19 |
| 22 | Domain Name Portfolio Management | 18 |
| 23 | To create proprietary algorithm in order to identify sites with high probability of being malicious | 17 |
| 24 | Contact website operator to resolve website issues | 16 |
| 25 | Contact online retailer to resolve issues (i.e. E-Commerce, etc.) | 15 |
| 26 | To invoice for domain name registrations | 15 |
| 27 | Domain Name Registration | 13 |
| 28 | Lender or agent to assess compliance of loans secured by domain names | 13 |
| 29 | To facilitate transfers of domain names | 12 |
| 30 | To investigate malware incident | 12 |
| 31 | Research/Statistical Analysis | 11 |
| 32 | Maintain list of additional registrar contacts to serve as additional repository | 10 |

| # | Purpose Categories | # of Utilization |
|----|---|------------------|
| 33 | Reputation Services | 10 |
| 34 | To provide information about business updates | 10 |
| 35 | To provide information about technical updates | 10 |
| 36 | Contractual Compliance for ICANN Agreements | 9 |
| 37 | To investigate why a domain name is no longer working | 9 |
| 38 | Terror Investigation | 7 |
| 39 | To validate domain name ownership for certificate requests | 7 |
| 40 | To facilitate service providers contacting registrants | 6 |
| 41 | Certification Services | 5 |
| 42 | To file and prosecute URS cases | 5 |
| 43 | To identify potential bad actors or DNS abuse | 5 |
| 44 | Determine if domain name is available for registration | 4 |
| 45 | Mining data for spamming/scamming | 4 |
| 46 | To identify proper parties for subpoena to serve legal process | 4 |
| 47 | To use in court orders | 4 |
| 48 | To facilitate technical issue resolution | 3 |
| 49 | To query for WHOIS information if the information is not available via the command line domain Whois | 3 |
| 50 | To use in search warrant affidavits to support probable cause | 3 |
| 51 | Domain Name Hijack | 2 |
| 52 | To check the accuracy of the WHOIS data | 2 |
| 53 | To facilitate registrations during Sunrise or Land-Rush periods | 2 |
| 54 | To use as evidence in court proceedings and trials | 2 |
| 55 | To verify name server platform for a domain name | 2 |
| 56 | Transfer data escrow provider for use in the event of failures | 2 |
| 57 | Gather potential evidence to be used in court cases or lawsuits | 1 |
| 58 | Maintain data redundancy records in case of failures | 1 |
| 59 | To determine domain age | 1 |
| 60 | To develop investigative leads (General Investigation) | 1 |
| 61 | To find alternative forms of contact for the registrar if they are unresponsive | 1 |
| 62 | To Identify domains that may be compromised or used for DNS abuse | 1 |
| 63 | To identify entity to file complaints with the Consumer Protection Agency | 1 |
| 64 | To investigate and enforce copyright infringement | 1 |
| 65 | To notify registrar about reported abuse | 1 |
| 66 | To notify reseller about reported abuse | 1 |
| 67 | To notify the appropriate registrar and/or run searches from collected domain WHOIS information for a particular registrar (e.g., how many times we have observed a particular registrar) | 1 |
| 68 | To preserve historical information about domain name registrations | 1 |
| 69 | To provide White-List service for delivery of E-mails by mail box providers | 1 |
| 70 | To report abusive information to a registrar | 1 |

| # | Purpose Categories | # of Utilization |
|----|--|------------------|
| 71 | To take down and malicious host mitigation | 1 |

Appendix 8: Links to Materials Discussing Purpose of WHOIS and Registration Data

- ⦿ Description of 2013 RAA Data Retention Specification - Data Elements, Legitimate Purposes for Collection/Retention and Recipients of Data (<https://www.icann.org/en/system/files/files/raa-data-retention-elements-10aug15-en.pdf>)
- ⦿ Final Report from the Expert Working Group on gTLD Directory Services: A Next-Generation Registration Directory Service (RDS) – 6 June 2014 (<https://www.icann.org/en/system/files/files/final-report-06jun14-en.pdf>)
- ⦿ GNSO Council Minutes – 12 April 2006 (<https://gns0.icann.org/en/meetings/minutes-gns0-12apr06.html>)
- ⦿ GNSO Council Meeting (Marrakech) – 28 June 2006 (<https://archive.icann.org/en/meetings/marrakech/captioning-gns0-council-28jun06.htm>)
- ⦿ GNSO Policy Development Process on gTLD Registration Data Services – Wiki Page (<https://gns0.icann.org/en/group-activities/active/rds>)
- ⦿ Appendix A of Final Report from the Expert Working Group on Internationalized Registration Data (WHOIS) (<http://whois.icann.org/sites/default/files/files/ird-expert-wg-final-23sep15-en.pdf>)
- ⦿ RFC 7485, Inventory and Analysis of WHOIS Registration Objects (<https://tools.ietf.org/html/rfc7485>)

