Agenda

1. Background and Status of Implementation
2. Consistent Labeling and Display of WHOIS Output for all gTLDs
3. Transition from Thin to Thick for .COM, .NET and .JOBS
4. Timeline Assumptions
Background and Status of Implementation
Background

  http://gnso.icann.org/en/group-activities/active/thick-WHOIS

- Policy Recommendations adopted by the ICANN Board in Feb. 2014
  http://www.icann.org/en/groups/board/documents/resolutions-07feb14-en.htm#2.c

- Two expected outcomes (policy recommendation #1)
  - Transition from thin to thick WHOIS for .COM, .NET and .JOBS
  - Consistent labeling and display for all gTLDs per Spec 3 RAA 2013

- Decoupling of implementation of the two outcomes in line with Implementation Considerations (Final Report of Thick WHOIS PDP)
The provision of thick WHOIS services, with a consistent labeling and display as per the model outlined in specification 3 of the 2013 RAA, should become a requirement for all gTLD registries, both existing and future.

Consideration of input provided in Public Comments before Board Resolution.

As part of the implementation process, a legal review of law applicable to the transition of data from a thin to thick model that has not already been considered in the EWG memo is undertaken.

Consistent Labeling and Display of WHOIS Output for all gTLDs as per Spec 3 of 2013 RAA.

Outcomes

Transition from thin to thick for .COM, .NET and .JOBS.
Milestones and Recent Activities

Transition from thin to thick WHOIS for .COM, .NET, .JOBS
- Jun. 2015: Release and discussion of Legal Review Memo (Review of law applicable to the transition of data from a thin to thick WHOIS model as per Policy Recommendation #3)
- Aug. 2015: Initial discussion of implementation details with IRT and Experts from Affected Parties

Consistent Labeling and Display of WHOIS Output for all gTLDs
- Nov. 2014: Impact Assessment (incl. proposed synchronization of implementation with other relevant initiatives)
- Feb. 2015: Revised impact assessment (incl. discussion of IRT feedback and synchronization of implementation with other initiatives)
- Jun. 2015: Proposed reliance on RDAP for implementation of CL&D
- Oct. 2015: Release of draft consensus policy language for discussion
Consistent Labeling and Display of WHOIS Output for all gTLDs
Consistent Labeling & Display - without RDAP

End-Users of Registration Data Distribution Services (RDDS)

Web-based Directory Service (HTML rendering of WHOIS Port 43 in practice)

WHOIS Protocol (Port 43)

Presentation Layer

Registration Data Layer

Domain Name Data
Registrant & Contacts Data
Registrar Specific Data

Thick WHOIS Consensus Policy
Consistent Labeling and Display

Require all outputs to be consistent with Spec 3 RAA
Require transfer to and storage by registries
Consistent Labeling & Display - with RDAP

End-Users of Registration Data Distribution Services (RDDS)

**Thick WHOIS Consensus Policy**
- Consistent Labeling and Display
  - Require transfer to and storage by registries
  - Rely on RDAP Requirements for consistency

**RDAP Implementation Requirements (Operational Profile)**
- Web-based Directory Service (Updated?)
- RDAP Protocol

**Registration Data Layer**
- Domain Name Data
- Registrant & Contacts Data
- Registrar Specific Data

**Presentation Layer**
1. The provision of thick Registration Data Directory Services (RDDS) is required for all generic Top-Level Domain (gTLD) registries, that is the collection and display by the Registry of all data associated with both the Registrant of a domain name and the domain registration itself.

2. The labeling and display of all gTLD registries web-based RDDS output, must be consistent with:
   - Specification 3 of the 2013 Registrar Accreditation Agreement (RAA)
   - Advisory: Clarifications to the New gTLD Registry Agreement, Specification 4; and the 2013 Registrar Accreditation Agreement (RAA), Registration Data Directory Service (WHOIS) Specification, in particular:
     - Section I and Section II in their entirety
     - Section III, Clarifications 50, 51, and 52

1. The implementation of an RDAP service in accordance with the "RDAP Operational Profile for gTLD Registries and Registrars" is required for all gTLD registries in order to achieve consistent labeling and display in the replacement for (port-43) WHOIS
Phased Implementation

Phase 1
Effective Date: 1 August 2016
All gTLDs, excluding .COM, .NET, and .JOBS, are required to display a Registration Data Directory Services (RDDS) output compliant with this Consensus Policy, with the exception of Registrar Registration Expiration Date and Reseller information.

Phase 2
Effective Date: 1 February 2017
All gTLDs, excluding .COM, .NET, and .JOBS, are required to display a Registration Data Directory Services (RDDS) output fully compliant with this Consensus Policy.

Phase 3
Effective Date: [To be determined]
All gTLDs, including .COM, .NET, and .JOBS, are required to provide a thick Registration Data Directory Services (RDDS) fully compliant with this Consensus Policy.
Current Timeline Assumptions

- **ICANN 54**
  - RDAP Operational Profile shared with contracted parties for input
  - Public Comments
  - Legal Notices

- **ICANN 55 (A)**
  - Draft Policy Language
  - Public Comments

- **ICANN 56 (B)**
  - Policy Effective Date Announcement
  - CL&D Low Impact Implementation
  - CL&D EPP Extension Development

- **ICANN 57 (C)**
  - Implementation of RDAP by Registries and Registrars
  - CL&D High Impact Implementation

- **ICANN 58 (A)**
  - RDAP

- **ICANN 59 (B)**

- **ICANN 60 (C)**

**2015**  |  **2016**  |  **2017**
---|---|---
Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec
Implementation Notes

- Impact on Registries may include:
  - Reordering and renaming of fields in web-based RDDS
  - Possible change of data format
  - Display of new fields

- Registrars will be affected by this implementation:
  - Depending on changes needed in Registries RDDS output, a Registrar may need to supply certain data to certain Registries (static or registration-specific data)
  - Depending on Registry implementation plan, channel may vary
<table>
<thead>
<tr>
<th>Currently</th>
<th>After Implementation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Domain Name:</strong> EXAMPLE.TLD</td>
<td><strong>Domain Name:</strong> EXAMPLE.TLD</td>
</tr>
<tr>
<td><strong>Domain ID:</strong> D1234567-TLD</td>
<td><strong>Registry Domain ID:</strong> D1234567-TLD</td>
</tr>
<tr>
<td><strong>WHOIS Server:</strong> WHOIS.example.tld</td>
<td><strong>Registrar WHOIS Server:</strong> WHOIS.example-registrar.tld</td>
</tr>
<tr>
<td><strong>Referral URL:</strong> <a href="http://www.example.tld">http://www.example.tld</a></td>
<td><strong>Registrar URL:</strong> <a href="http://www.example-registrar.tld">http://www.example-registrar.tld</a></td>
</tr>
<tr>
<td><strong>Updated Date:</strong> 2009-05-29T20:13:00Z</td>
<td><strong>Updated Date:</strong> 2009-05-29T20:13:00Z</td>
</tr>
<tr>
<td><strong>Creation Date:</strong> 2000-10-08T00:45:00Z</td>
<td><strong>Creation Date:</strong> 2000-10-08T00:45:00Z</td>
</tr>
<tr>
<td><strong>Registry Expiry Date:</strong> 2010-10-08T00:44:59Z</td>
<td><strong>Registrar Registration Expiration Date:</strong> 2010-10-08T00:44:59Z</td>
</tr>
<tr>
<td><strong>Sponsoring Registrar:</strong> EXAMPLE REGISTRAR LLC</td>
<td><strong>Registrar:</strong> EXAMPLE REGISTRAR LLC</td>
</tr>
<tr>
<td><strong>Sponsoring Registrar IANA ID:</strong> 5555555</td>
<td><strong>Registrar IANA ID:</strong> 5555555</td>
</tr>
<tr>
<td><strong>Domain Status:</strong> clientDeleteProhibited</td>
<td><strong>Domain Status:</strong> clientDeleteProhibited</td>
</tr>
<tr>
<td><strong>Domain Status:</strong> clientRenewProhibited</td>
<td><strong>Domain Status:</strong> clientRenewProhibited</td>
</tr>
<tr>
<td><strong>Domain Status:</strong> clientTransferProhibited</td>
<td><strong>Domain Status:</strong> clientTransferProhibited</td>
</tr>
<tr>
<td><strong>Domain Status:</strong> serverUpdateProhibited</td>
<td><strong>Domain Status:</strong> serverUpdateProhibited</td>
</tr>
<tr>
<td><strong>Registrant ID:</strong> 5372808-ERL</td>
<td><strong>Registry Registrant ID:</strong> 5372808-ERL</td>
</tr>
<tr>
<td><strong>Registrant Name:</strong> EXAMPLE REGISTRANT</td>
<td><strong>Registrant Name:</strong> EXAMPLE REGISTRANT</td>
</tr>
<tr>
<td><strong>Registrant Organization:</strong> EXAMPLE ORGANIZATION</td>
<td><strong>Registrant Organization:</strong> EXAMPLE ORGANIZATION</td>
</tr>
<tr>
<td><strong>Registrant Street:</strong> 123 EXAMPLE STREET</td>
<td><strong>Registrant Street:</strong> 123 EXAMPLE STREET</td>
</tr>
<tr>
<td><strong>Registrant City:</strong> ANYTOWN</td>
<td><strong>Registrant City:</strong> ANYTOWN</td>
</tr>
<tr>
<td><strong>Registrant State/Province:</strong> AP</td>
<td><strong>Registrant State/Province:</strong> AP</td>
</tr>
<tr>
<td><strong>Registrant Postal Code:</strong> A1A1A1</td>
<td><strong>Registrant Postal Code:</strong> A1A1A1</td>
</tr>
<tr>
<td><strong>Registrant Country:</strong> EX</td>
<td><strong>Registrant Country:</strong> AA</td>
</tr>
<tr>
<td><strong>Registrant Phone:</strong> +1.5555551212</td>
<td><strong>Registrant Phone:</strong> +1.5555551212</td>
</tr>
<tr>
<td><strong>Registrant Phone Ext:</strong> 1234</td>
<td><strong>Registrant Phone Ext:</strong> 1234</td>
</tr>
<tr>
<td><strong>Registrant Fax:</strong> +1.5555551213</td>
<td><strong>Registrant Fax:</strong> +1.5555551213</td>
</tr>
<tr>
<td><strong>Registrant Fax Ext:</strong> 4321</td>
<td><strong>Registrant Fax Ext:</strong> 4321</td>
</tr>
<tr>
<td><strong>Registrant Email:</strong> <a href="mailto:EMAIL@EXAMPLE.TLD">EMAIL@EXAMPLE.TLD</a></td>
<td><strong>Registrant Email:</strong> <a href="mailto:EMAIL@EXAMPLE.TLD">EMAIL@EXAMPLE.TLD</a></td>
</tr>
</tbody>
</table>
Example: Impact on New gTLD Registries RDDS (2)

Currently

<table>
<thead>
<tr>
<th>Currently</th>
<th>After Implementation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admin ID: 5372809-ERL</td>
<td>Registry Admin ID: 5372809-ERL</td>
</tr>
<tr>
<td>Admin Name: EXAMPLE REGISTRANT ADMINISTRATIVE</td>
<td>Admin Name: EXAMPLE REGISTRANT ADMINISTRATIVE</td>
</tr>
<tr>
<td>Admin Organization: EXAMPLE REGISTRANT ORGANIZATION</td>
<td>Admin Organization: EXAMPLE REGISTRANT ORGANIZATION</td>
</tr>
<tr>
<td>Admin Street: 123 EXAMPLE STREET</td>
<td>Admin Street: 123 EXAMPLE STREET</td>
</tr>
<tr>
<td>Admin City: ANYTOWN</td>
<td>Admin City: ANYTOWN</td>
</tr>
<tr>
<td>Admin State/Province: AP</td>
<td>Admin State/Province: AP</td>
</tr>
<tr>
<td>Admin Postal Code: A1A1A1</td>
<td>Admin Postal Code: A1A1A1</td>
</tr>
<tr>
<td>Admin Country: EX</td>
<td>Admin Country: AA</td>
</tr>
<tr>
<td>Admin Phone: +1.5555551212</td>
<td>Admin Phone: +1.5555551212</td>
</tr>
<tr>
<td>Admin Phone Ext: 1234</td>
<td>Admin Phone Ext: 1234</td>
</tr>
<tr>
<td>Admin Fax: +1.5555551213</td>
<td>Admin Fax: +1.5555551213</td>
</tr>
<tr>
<td>Admin Fax Ext:</td>
<td>Admin Fax Ext: 1234</td>
</tr>
<tr>
<td>Admin Email: <a href="mailto:EMAIL@EXAMPLE.TLD">EMAIL@EXAMPLE.TLD</a></td>
<td>Admin Email: <a href="mailto:EMAIL@EXAMPLE.TLD">EMAIL@EXAMPLE.TLD</a></td>
</tr>
<tr>
<td>Tech ID: 5372811-ERL</td>
<td>Registry Tech ID: 5372811-ERL</td>
</tr>
<tr>
<td>Tech Name: EXAMPLE REGISTRAR TECHNICAL</td>
<td>Tech Name: EXAMPLE REGISTRANT TECHNICAL</td>
</tr>
<tr>
<td>Tech Organization: EXAMPLE REGISTRAR LLC</td>
<td>Tech Organization: EXAMPLE REGISTRANT LLC</td>
</tr>
<tr>
<td>Tech Street: 123 EXAMPLE STREET</td>
<td>Tech Street: 123 EXAMPLE STREET</td>
</tr>
<tr>
<td>Tech City: ANYTOWN</td>
<td>Tech City: ANYTOWN</td>
</tr>
<tr>
<td>Tech State/Province: AP</td>
<td>Tech State/Province: AP</td>
</tr>
<tr>
<td>Tech Postal Code: A1A1A1</td>
<td>Tech Postal Code: A1A1A1</td>
</tr>
<tr>
<td>Tech Country: EX</td>
<td>Tech Country: AA</td>
</tr>
<tr>
<td>Tech Phone: +1.1235551234</td>
<td>Tech Phone: +1.1235551234</td>
</tr>
<tr>
<td>Tech Phone Ext: 1234</td>
<td>Tech Phone Ext: 1234</td>
</tr>
<tr>
<td>Tech Fax: +1.5555551213</td>
<td>Tech Fax: +1.5555551213</td>
</tr>
<tr>
<td>Tech Fax Ext: 93</td>
<td>Tech Fax Ext: 93</td>
</tr>
<tr>
<td>Tech Email: <a href="mailto:EMAIL@EXAMPLE.TLD">EMAIL@EXAMPLE.TLD</a></td>
<td>Tech Email: <a href="mailto:EMAIL@EXAMPLE.TLD">EMAIL@EXAMPLE.TLD</a></td>
</tr>
<tr>
<td>Name Server: NS01.EXAMPLEREGISTRAR.TLD</td>
<td>Name Server: NS01.EXAMPLE-REGISTRAR.TLD</td>
</tr>
<tr>
<td>Name Server: NS02.EXAMPLEREGISTRAR.TLD</td>
<td>Name Server: NS02.EXAMPLE-REGISTRAR.TLD</td>
</tr>
<tr>
<td>DNSSEC: signedDelegation</td>
<td>DNSSEC: signedDelegation</td>
</tr>
<tr>
<td>DNSSEC: unsigned</td>
<td>DNSSEC: unsigned</td>
</tr>
</tbody>
</table>

URL of the ICANN WHOIS Data Problem Reporting System:
http://wdprs.internic.net/

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

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

- Impact on Registries may include:
  - Reordering and renaming of fields in web-based RDDS
  - Possible change of data format
  - Display of new fields

- Registrars will be affected by this implementation:
  - Depending on changes need in Registries RDDS output, a Registrar may need to supply certain data to certain Registries (static or registration-specific data)
  - Depending on Registry implementation plan, channel may vary

- .CAT, .NAME and .TEL:
  These Registry Agreements have specialized WHOIS related provisions which should be looked at to see how they interact with the new requirement to have consistent labeling and display
Transition from thin to thick for .COM, .NET and .JOBS
Implementation Considerations

- Should the processing of existing and new registrations be distinct?
- Should conflict jurisdiction be considered at Registrant or Registrar level?
- Is RDAP as a mechanism to mitigate conflict jurisdiction consistent with the policy recommendations?
- How should the implementation plan account for section 3.3.1 in the 2013 RAA which mandates port-43 WHOIS for thin registries only?
- If privacy/proxy services may be an alternative to transferring data, could there be an option for transferring domain name registrations in case such services are not offered by a registrar of record?
- Which parties would be responsible for implementing potential Regional Data Stores?
Timeline Assumptions
Timeline Assumptions (Aug. 2015)

- Legal Review
- Implementation of transition by affected parties
- Design of implementation plan with experts from affected parties (Incl. Public Comment period)
- Transition from thin to thick for .COM, .NET & .JOBS
Current Timeline Assumptions

- **Design of implementation plan (with experts from affected parties)**
- **Public Comments**
- **Policy Effective Date Announcement**
- **Implementation of transition by affected parties**

**Transition from thin to thick for .COM, .NET & .JOBS**
Current Timeline Assumptions

- **ICANN 54**: RDAP Operational Profile shared with contracted parties for input
- **ICANN 55 (A)**: Draft Policy Language
- **ICANN 56 (B)**: Public Comments
- **ICANN 57 (C)**: Legal Notices
- **ICANN 58 (A)**: Implementation of RDAP by Registries and Registrars
- **ICANN 59 (B)**: Design of implementation plan (with experts from affected parties)
- **ICANN 60 (C)**: Public Comments

**Thick WHOIS Consistent Labeling & Display**
- **ICANN 54**: CL&D EPP Extension Development
- **ICANN 55 (A)**: CL&D Low Impact Implementation
- **ICANN 56 (B)**: CL&D High Impact Implementation
- **ICANN 57 (C)**: Public Comments
- **ICANN 58 (A)**: Policy Effective Date Announcement
- **ICANN 59 (B)**: Implementation of transition by affected parties
- **ICANN 60 (C)**: Policy Effective Date Announcement

**Transition from thin to thick for .COM, .NET & .JOBS**
- **ICANN 54**: Public Comments
- **ICANN 55 (A)**: Public Comments
- **ICANN 56 (B)**: Implementation of transition by affected parties
- **ICANN 57 (C)**: Implementation of transition by affected parties
- **ICANN 58 (A)**: Implementation of transition by affected parties
- **ICANN 59 (B)**: Implementation of transition by affected parties
- **ICANN 60 (C)**: Implementation of transition by affected parties