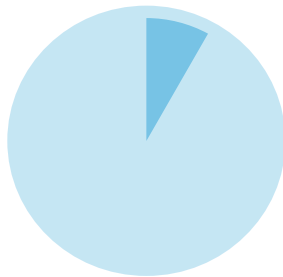# Thick WHOIS Policy Implementation

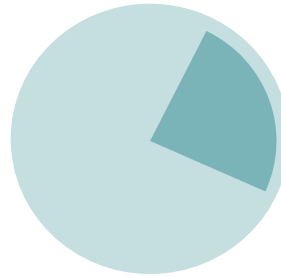Meeting with the IRT | ICANN 55 | 6 March 2016

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Agenda

1
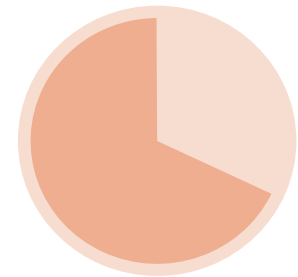Background
and
Status of
Implementation

5 min

2
Consistent
Labeling and Display
of WHOIS Output
for All gTLDs

15 min

3
Transition
from Thin to Thick
for .COM, .NET
and .JOBS
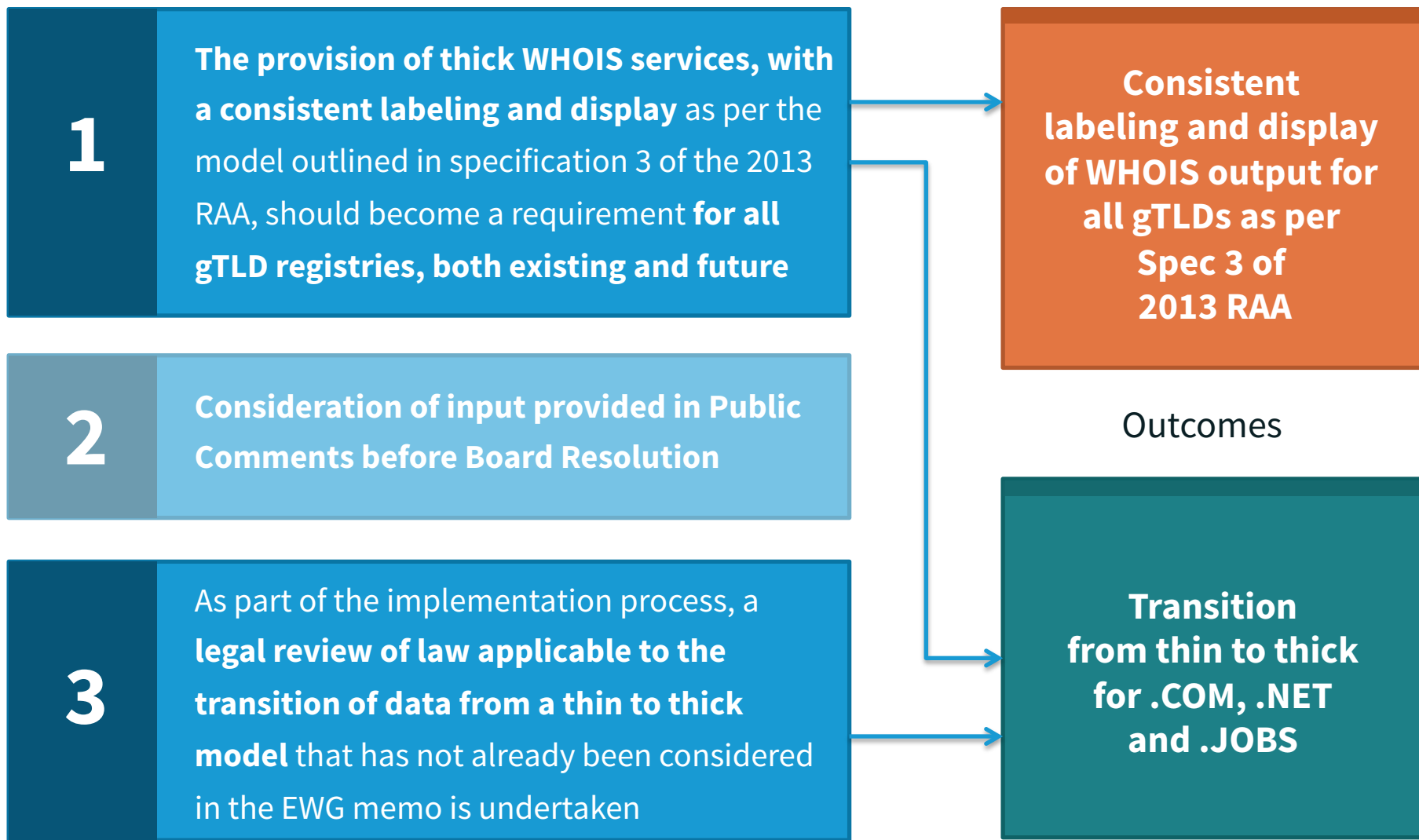
40 min

Background and Status of Implementation

Background

- Thick WHOIS Policy Development Process (Mar. 2012 – Oct. 2013)
  http://gnso.icann.org/en/group-activities/active/thick-WHOIS

- Policy recommendations adopted by the ICANN Board (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 in PDP WG Final Report

Policy Recommendations vs. Outcomes

1 **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**

2 **Consideration of input provided in Public Comments before Board Resolution**

3 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 of Legal Review Memo (Policy Rec. #3)
- **Aug. 2015**: Initial discussion of implementation details with IRT
- **Oct. 2015 – Feb. 2016**: Discussion of implementation challenges, exploration of a gradual implementation path
- **Feb. 2016**: Scoping paper for analysis of existing registrations by Registrars

Consistent Labeling and Display of WHOIS Ouput for all gTLDs

- **Nov. 2014**: Impact assessment
- **Feb. 2015:** Revised impact assessment (incl. IRT feedback)
- **Jun. 2015**: Proposed reliance on RDAP for implementation of CL&D
- **Oct. 2015**: Release of draft consensus policy language for discussion
- **Dec. 2015 – Mar. 2016**: Public Comment period on proposed Consensus Policy language

Consistent Labeling and Display of WHOIS Output for All gTLDs

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Proposed Draft Consensus Policy Language

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

3. 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

Example: Impact on New gTLD Registries RDDS (1)

Currently	After Implementation
Domain Name: EXAMPLE.TLD	Domain Name: EXAMPLE.TLD
Domain ID: D1234567-TLD	Registry Domain ID: D1234567-TLD
WHOIS Server: WHOIS.example.tld	Registrar WHOIS Server: WHOIS.example-registrar.tld
Referral URL: http://www.example.tld	Registrar URL: http://www.example-registrar.tld
Updated Date: 2009-05-29T20:13:00Z	Updated Date: 2009-05-29T20:13:00Z
Creation Date: 2000-10-08T00:45:00Z	Creation Date: 2000-10-08T00:45:00Z
Registry Expiry Date: 2010-10-08T00:44:59Z	Registry Expiry Date: 2010-10-08T00:44:59Z
	Registrar Registration Expiration Date: 2010-10-08T00:44:59Z
Sponsoring Registrar: EXAMPLE REGISTRAR LLC	Registrar: EXAMPLE REGISTRAR LLC
Sponsoring Registrar IANA ID: 5555555	Registrar IANA ID: 5555555
	Registrar Abuse Contact Email: email@registrar.tld
	Registrar Abuse Contact Phone: +1.1235551234
	Reseller: EXAMPLE RESELLER1
Domain Status: clientDeleteProhibited	Domain Status: clientDeleteProhibited
Domain Status: clientRenewProhibited	Domain Status: clientRenewProhibited
Domain Status: clientTransferProhibited	Domain Status: clientTransferProhibited
Domain Status: serverUpdateProhibited	
Registrant ID: 5372808-ERL	Registry Registrant ID: 5372808-ERL
Registrant Name: EXAMPLE REGISTRANT	Registrant Name: EXAMPLE REGISTRANT
Registrant Organization: EXAMPLE ORGANIZATION	Registrant Organization: EXAMPLE ORGANIZATION
Registrant Street: 123 EXAMPLE STREET	Registrant Street: 123 EXAMPLE STREET
Registrant City: ANYTOWN	Registrant City: ANYTOWN
Registrant State/Province: AP	Registrant State/Province: AP
Registrant Postal Code: A1A1A1	Registrant Postal Code: A1A1A16
Registrant Country: EX	Registrant Country: AA
Registrant Phone: +1.5555551212	Registrant Phone: +1.5555551212
Registrant Phone Ext: 1234	Registrant Phone Ext: 12347
Registrant Fax: +1.5555551213	Registrant Fax: +1.5555551213
Registrant Fax Ext: 4321	Registrant Fax Ext: 4321
Registrant Email: EMAIL@EXAMPLE.TLD	Registrant Email: EMAIL@EXAMPLE.TLD

Example: Impact on New gTLD Registries RDDS (2)

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

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Proposed Phased Implementation - Updated

Phase 1

Effective Date: [minimum 6 months from publishing of Consensus Policy]

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: [180 days after publication at the IETF of the relevant EPP Extensions]

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: [Minimum 12 months from public of Consensus Policy]

All gTLDs, including .COM, .NET and .JOBS, are required to provide a thick Registration Data Directory Services (RDDS) fully compliant with this Consensus Policy.

Community Input to date

- ⊙ Registry and Registrar Expiration Dates
  - Displaying Registrar Registration Expiration Date in registries RDDS output may create confusion/concerns among registrants and users
  - Concerns with cost/benefit of implementation

- ⊙ Interpretation of CL&D Policy Recommendation
  - New fields in RDDS output seen as not aligned with policy
  - Consistency of RDDS ouput deemed achieved already through the Whois Clarification Advisory
  - Registry concerns with contractual reference to advisory and RAA

- ⊙ Relation of CL&D Implementation with Technical Standards
  - Reliance on RDAP Operational Profile seen as premature and out of scope
  - EPP extensions should be defined prior to setting implementation timeline

- ⊙ Time Taken to Implement
  - Concern with pace of implementation
  - Concern that implementation of CL&D is delaying the transition

Reminder of Rationale for CL&D Proposal

- ⊙ Benefits of Displaying Additional Fields in Registries RDDS Output
  - – Response consistency
  - – Accessibility of registration data

- ⊙ Interpretation of CL&D Policy Recommendation
  - – Staff proposed that "consistent labeling and display" be understood as requiring the consistent display of all the required RDDS output fields (Revised Impact Assessment, Feb. 2015)

- ⊙ Synchronization of CL&D and RDAP
  - – Avoiding duplication of effort in terms of systems development
  - – RDAP Op. Profile seen as an opportunity to further the consistency of RDDS outputs
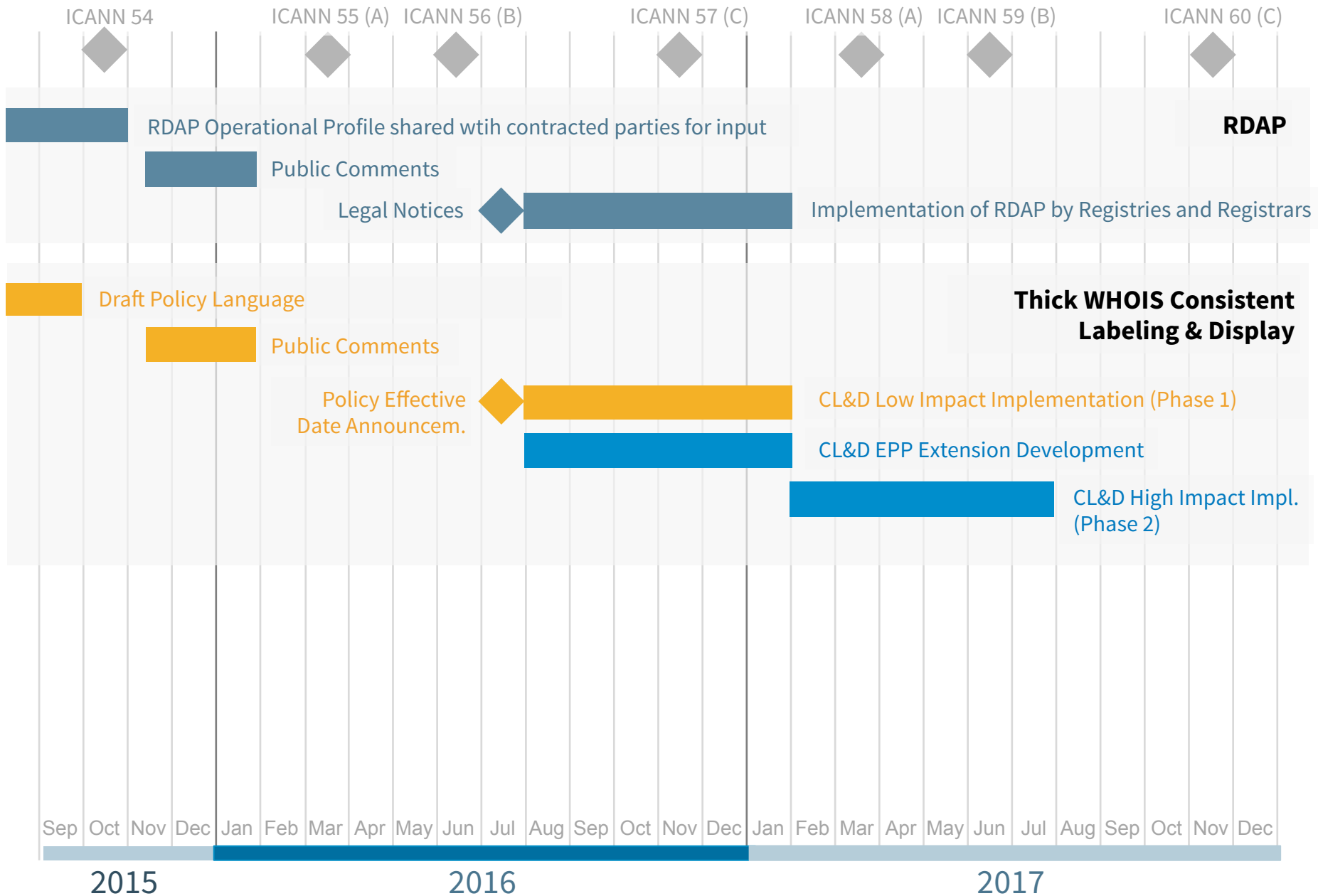 - – Implementation of RDAP to serve as basis for Web RDDS output

Next Steps

⊙ Further Discussion

- RDAP Session, Monday 7 March 2016 13:30-14:45 UTC, in Toubkal
  https://meetings.icann.org/en/marrakech55/schedule/mon-rdap-implementation

- Public Comment Period
  https://www.icann.org/public-comments/rdds-output-2015-12-03-en
  Closing on 18 March 2016
  Summary & analysis of Public Comment due by 1 April 2016

⊙ Finalization of Consensus Policy Language

- April-June 2016:
  - Staff and IRT to discuss Public Comments summary & analysis
  - Revision of proposed Consensus Policy as appropriate

- 31 July 2016: Target date for publication of CL&D Consensus Policy

Current Timeline Assumptions

ICANN 54   ICANN 55 (A)   ICANN 56 (B)   ICANN 57 (C)   ICANN 58 (A)   ICANN 59 (B)   ICANN 60 (C)

RDAP

RDAP Operational Profile shared wtih contracted parties for input

Public Comments

Legal Notices

Implementation of RDAP by Registries and Registrars

Thick WHOIS Consistent Labeling & Display

Draft Policy Language

Public Comments

Policy Effective Date Announcem.

CL&D Low Impact Implementation (Phase 1)

CL&D EPP Extension Development

CL&D High Impact Impl. (Phase 2)

Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

2015   2016   2017

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

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Implementation Path under Discussion

- 2 parallel tracks, each with their own timeline:
  - New registrations (created after Policy Effective Date)
  - Existing registrations

Open items relevant to both tracks:

- Contact Address & Phone fields requirements in .COM/.NET (when thick)
  - Topic raised on mailing list, discussed by IRT in 11 Feb. meeting
  - Not required in current Registry Operator proposal
  - Would be required as a consequence of CL&D

- Billing Contact requirement in .COM/.NET/.JOBS (when thick)
  - Topic raised on the mailing list, not discussed by IRT members yet
  - Would not be required as a consequence of CL&D

Transition of New Registrations

Milestones Proposal:

- Finalization of thick WHOIS Policy
- Registries to make system changes
- Registrar notification of changes
- Introduction of optional thick (contact support) in OT&E
- Introduction of optional thick (contact support) in production
- Registrar notification/transition period
- Cutover to required thick (contacts) for new registrations in OT&E
- Cutover to required thick (contacts) for new registrations in production

Recent Discussion of Timeline by IRT members:

- 12 months minimum from introduction of optional OT&E to cutover
  + Additional time depending on specifics of registry systems changes and other implementation details
- Need for a firm date of implementation

Transition of New Registrations

Next Steps

- Registries to provide overview of system changes
  Proposed target: **April 2016**

- Registries and registrars to agree on detailed timeline
  Proposed target: **May 2016**

Transition of Existing Registrations

Analysis of Existing Data (Scoping Paper)

⊙ Objective
  – Identify and quantify challenges with transitioning of registration data
  – Inform the definition of the implementation plan in terms of:
    – Requirements
    – Timeline to completion of transition
    – Supporting measures as needed

⊙ Scope
  – 10-20 registrars managing amounts of .COM, .NET and .JOBS registrations
  – Testing representative data samples against the registries' systems requirements and all applicable contractual provisions

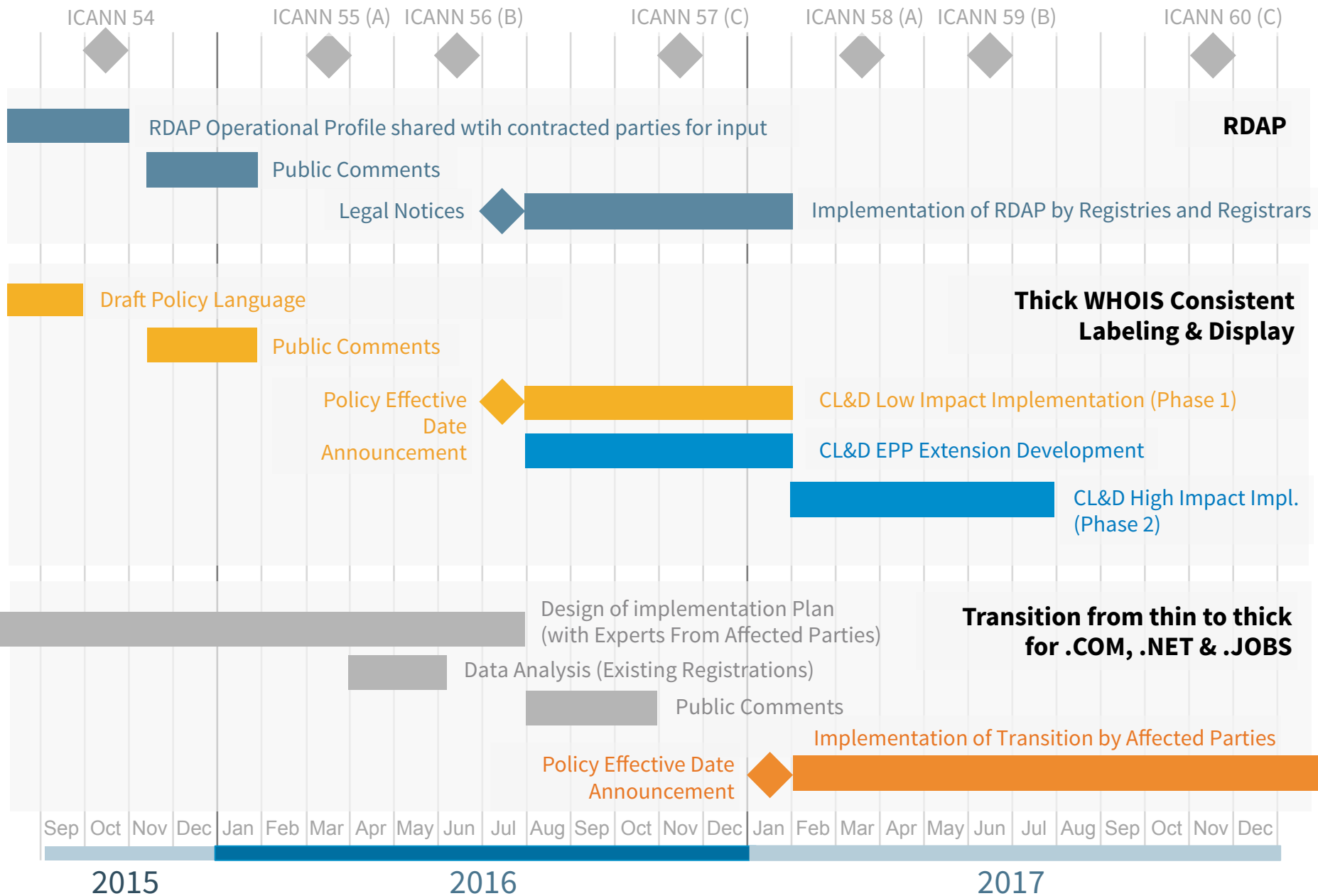⊙ **Findings to determine types and prevalence of potential challenges** such as:
  – Missing data
  – Incompatible data format
  – Incomplete data
  – Inability to contact registrant based on current data record

Transition of Existing Registrations

Next Steps and Expected Timeline

- Discussion of the analysis with registrars during ICANN 55
  Registrar Stakeholder Group Meeting
  Tuesday 8 March 2016 at 11:00 UTC in

- Clarification of scope and Terms of Reference: **18 March 2016**
- Deadline for recruitment of volunteer registrars: **1 April 2016**
- Sharing of initial findings among volunteers: **20 April 2016**
- Discussion of findings and conclusions: **12 May 2016**
- Final Data Analysis Report: **2 June 2016**

- Development of Implementation Plan : **June/July 2016**

Current Timeline Assumptions

ICANN 54   ICANN 55 (A)   ICANN 56 (B)   ICANN 57 (C)   ICANN 58 (A)   ICANN 59 (B)   ICANN 60 (C)

RDAP

RDAP Operational Profile shared wtih contracted parties for input

Public Comments

Legal Notices ◆ Implementation of RDAP by Registries and Registrars

Thick WHOIS Consistent Labeling & Display

Draft Policy Language

Public Comments

Policy Effective Date Announcement ◆ CL&D Low Impact Implementation (Phase 1)

CL&D EPP Extension Development

CL&D High Impact Impl. (Phase 2)

Transition from thin to thick for .COM, .NET & .JOBS

Design of implementation Plan (with Experts From Affected Parties)

Data Analysis (Existing Registrations)

Public Comments

Implementation of Transition by Affected Parties

Policy Effective Date Announcement ◆

Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

2015   2016   2017

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Thank You and Questions

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