



# Thick WHOIS Policy Implementation

Meeting with the IRT | ICANN 54 | 21 October 2015

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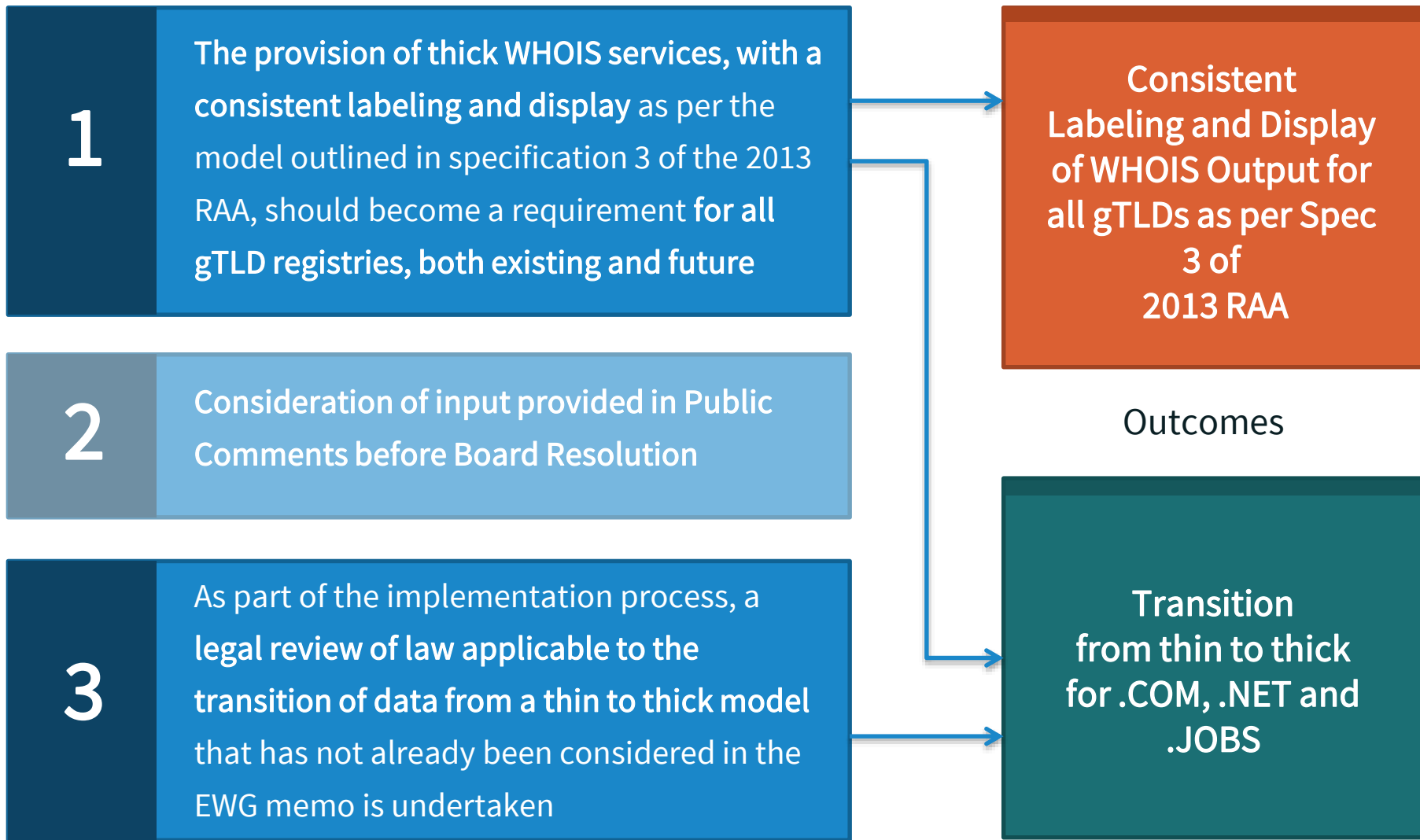
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# Background and Status of Implementation

# 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 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)

# Policy Recommendations vs. Outcomes



# Milestones and Recent Activities

## Transition from thin to thick WHOIS for .COM, .NET, .JOBS

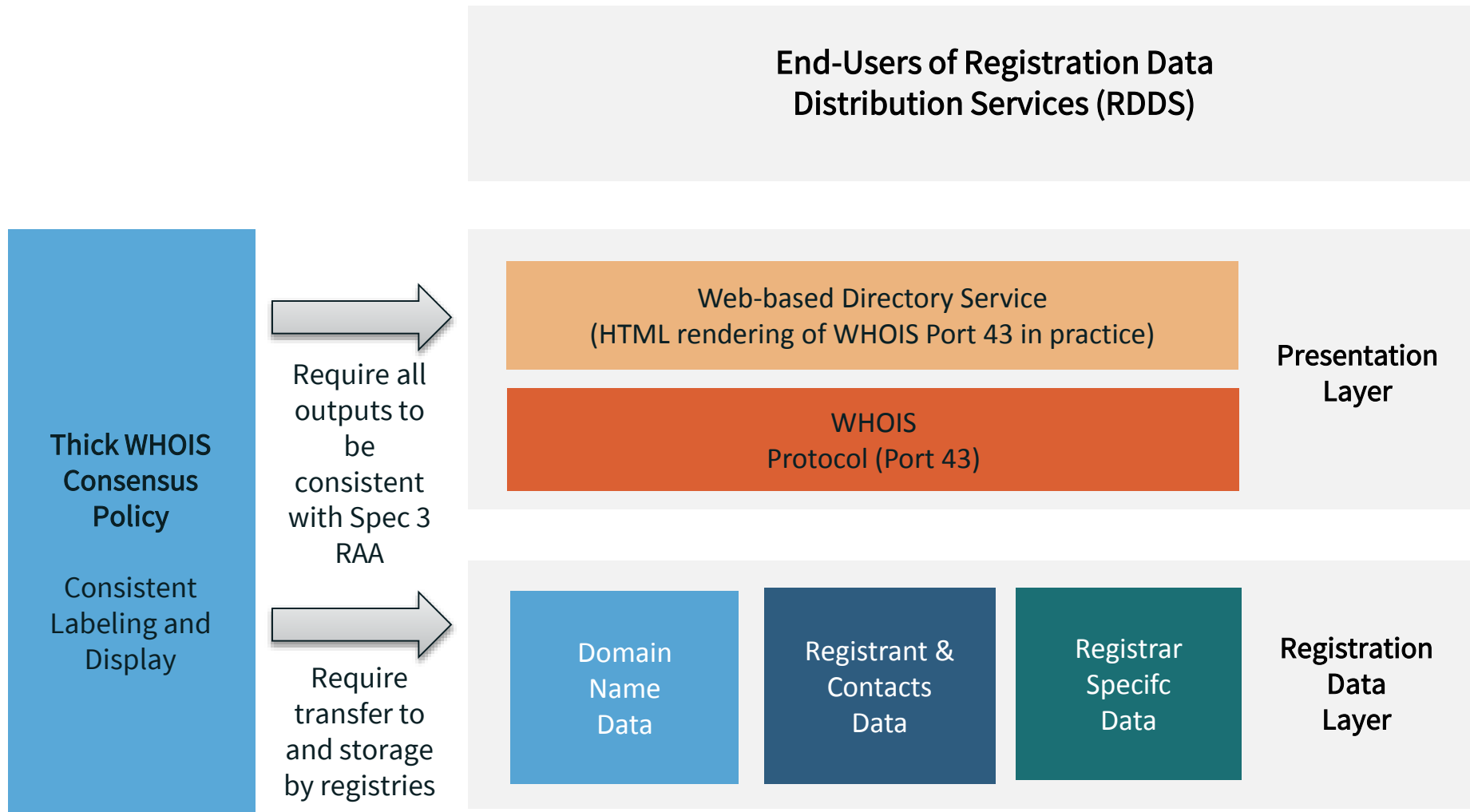
- ⦿ Jun. 2015: Release and discussion of Legal Review Memo (Review of law applicable to the transition of data from a thin to thick WHOIS model as per Policy Recommendation #3)
- ⦿ Aug. 2015: Initial discussion of implementation details with IRT and Experts from Affected Parties

## 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

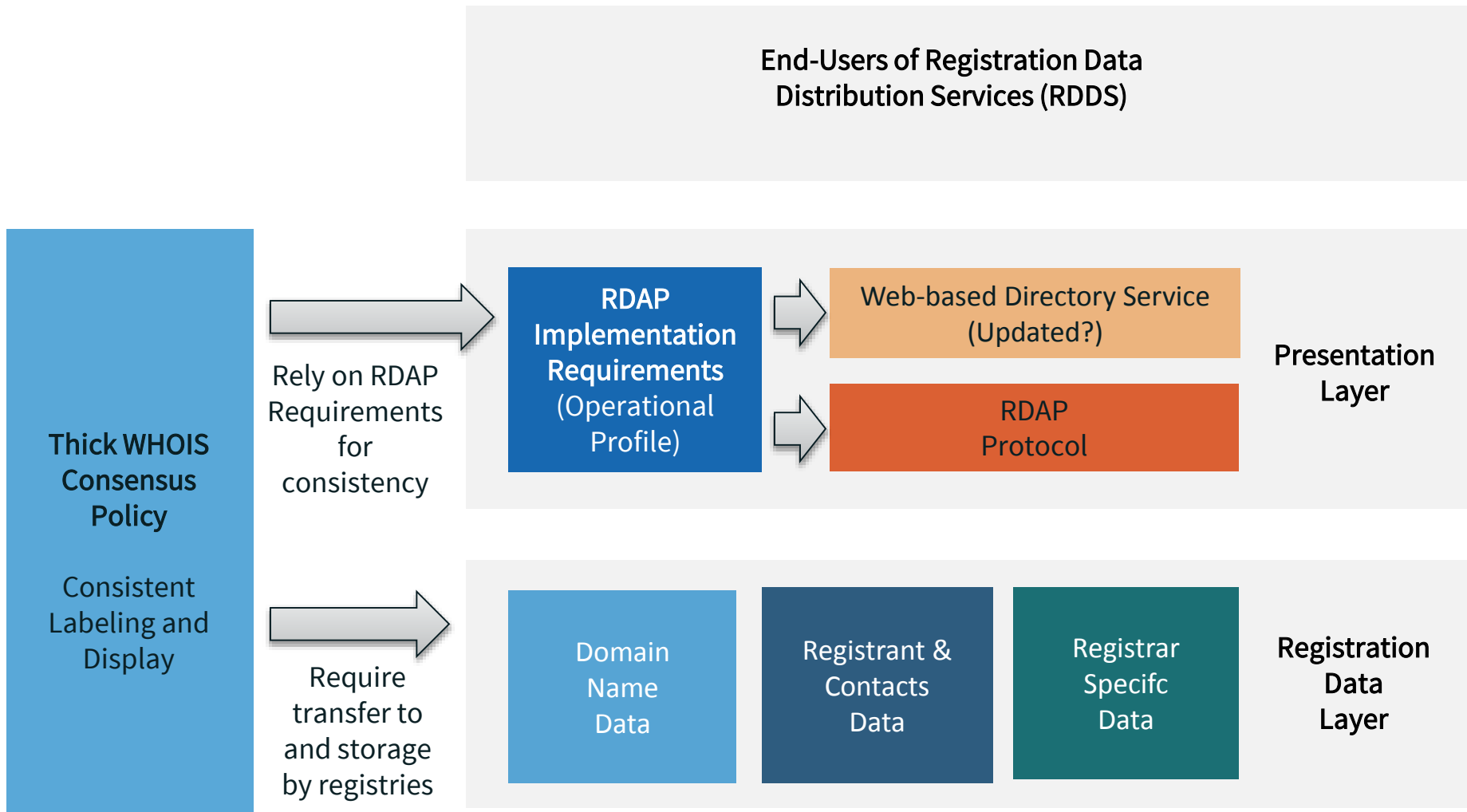
# Consistent Labeling and Display of WHOIS Output for all gTLDs

# Consistent Labeling & Display - without RDAP





# Consistent Labeling & Display - with RDAP



# 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
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

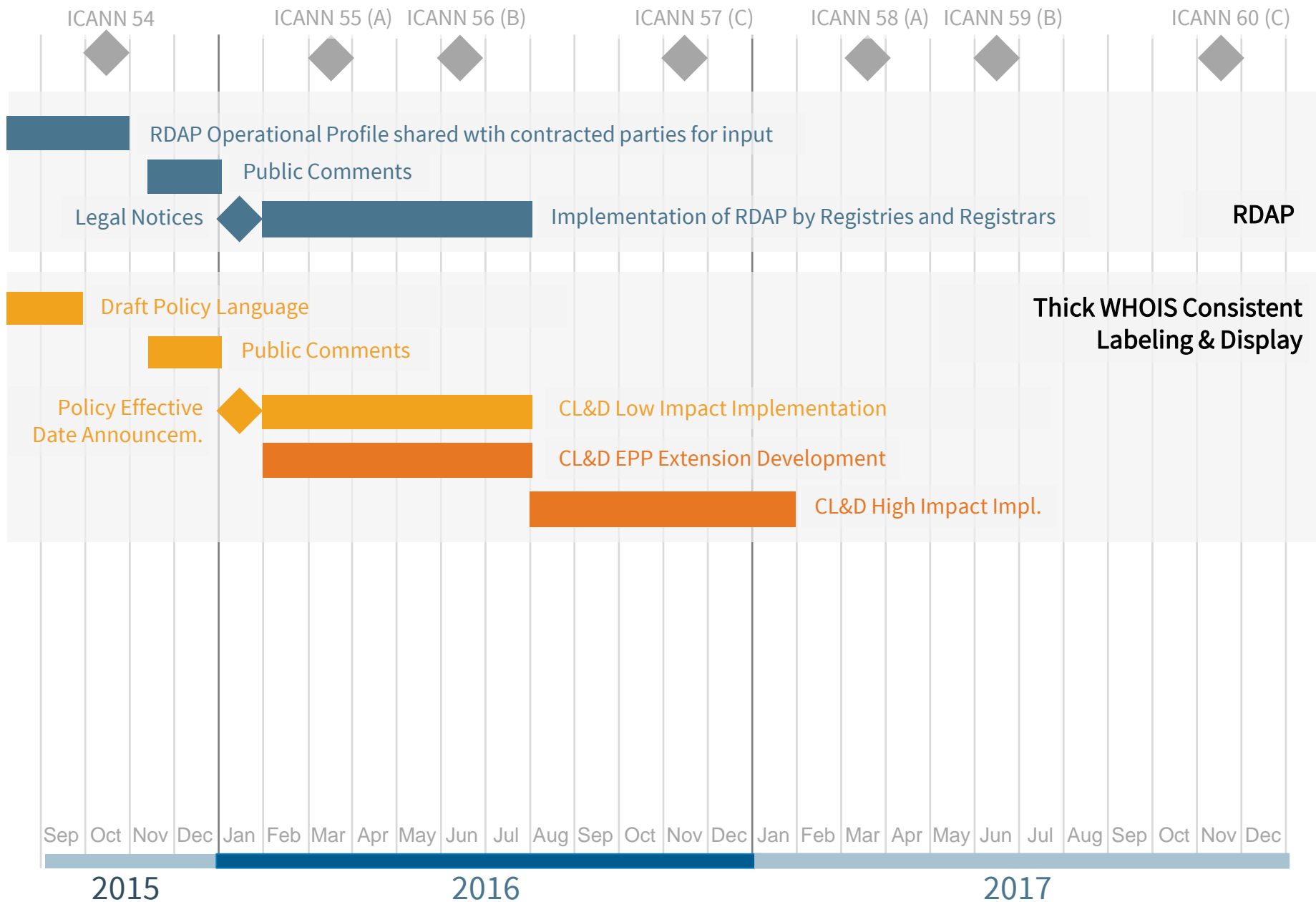
All gTLDs, excluding .COM, .NET and .JOBS, are required to display a Registration Data Directory Services (RDDS) output fully compliant with this Consensus Policy.

## 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



# 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

# Example: Impact on New gTLD Registries RDDS (1)

## Currently

Domain Name: EXAMPLE.TLD  
Domain ID: D1234567-TLD  
WHOIS Server: WHOIS.example.tld  
Referral URL: http://www.example.tld  
Updated Date: 2009-05-29T20:13:00Z  
Creation Date: 2000-10-08T00:45:00Z  
Registry Expiry Date: 2010-10-08T00:44:59Z  
Sponsoring Registrar: EXAMPLE REGISTRAR LLC  
Sponsoring Registrar IANA ID: 55555555  
  
Domain Status: clientDeleteProhibited  
Domain Status: clientRenewProhibited  
Domain Status: clientTransferProhibited  
Domain Status: serverUpdateProhibited  
Registrant ID: 5372808-ERL  
Registrant Name: EXAMPLE REGISTRANT  
Registrant Organization: EXAMPLE ORGANIZATION  
Registrant Street: 123 EXAMPLE STREET  
Registrant City: ANYTOWN  
Registrant State/Province: AP  
Registrant Postal Code: A1A1A1  
Registrant Country: EX  
Registrant Phone: +1.5555551212  
Registrant Phone Ext: 1234  
Registrant Fax: +1.5555551213  
Registrant Fax Ext: 4321  
Registrant Email: EMAIL@EXAMPLE.TLD

## After Implementation

Domain Name: EXAMPLE.TLD  
Registry Domain ID: D1234567-TLD  
Registrar WHOIS Server: WHOIS.example-registrar.tld  
Registrar URL: http://www.example-registrar.tld  
Updated Date: 2009-05-29T20:13:00Z  
Creation Date: 2000-10-08T00:45:00Z  
Registrar Registration Expiration Date: 2010-10-08T00:44:59Z  
Registrar: EXAMPLE REGISTRAR LLC  
Registrar IANA ID: 55555555  
Registrar Abuse Contact Email: email@registrar.tld  
Registrar Abuse Contact Phone: +1.1235551234  
Reseller: EXAMPLE RESELLER1  
  
Domain Status: clientDeleteProhibited  
Domain Status: clientRenewProhibited  
Domain Status: clientTransferProhibited  
Registry Registrant ID: 5372808-ERL  
Registrant Name: EXAMPLE REGISTRANT  
Registrant Organization: EXAMPLE ORGANIZATION  
Registrant Street: 123 EXAMPLE STREET  
Registrant City: ANYTOWN  
Registrant State/Province: AP  
Registrant Postal Code: A1A1A16  
Registrant Country: AA  
Registrant Phone: +1.5555551212  
Registrant Phone Ext: 12347  
Registrant Fax: +1.5555551213  
Registrant Fax Ext: 4321  
Registrant Email: EMAIL@EXAMPLE.TLD

# Example: Impact on New gTLD Registries RDDS (2)

## Currently

Admin ID: 5372809-ERL

Admin Name: EXAMPLE REGISTRANT ADMINISTRATIVE

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

Tech ID: 5372811-ERL

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

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

## After Implementation

Registry Admin ID: 5372809-ERL

Admin Name: EXAMPLE REGISTRANT ADMINISTRATIVE

Admin Organization: EXAMPLE REGISTRANT ORGANIZATION  
Admin Street: 123 EXAMPLE STREET  
Admin City: ANYTOWN  
Admin State/Province: AP  
Admin Postal Code: A1A1A1  
Admin Country: AA  
Admin Phone: +1.5555551212  
Admin Phone Ext: 1234  
Admin Fax: +1.5555551213  
Admin Fax Ext: 1234  
Admin Email: EMAIL@EXAMPLE.TLD

Registry Tech ID: 5372811-ERL

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

Name Server: NS01.EXAMPLE-REGISTRAR.TLD  
Name Server: NS02.EXAMPLE-REGISTRAR.TLD  
DNSSEC: signedDelegation

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
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- ⦿ 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

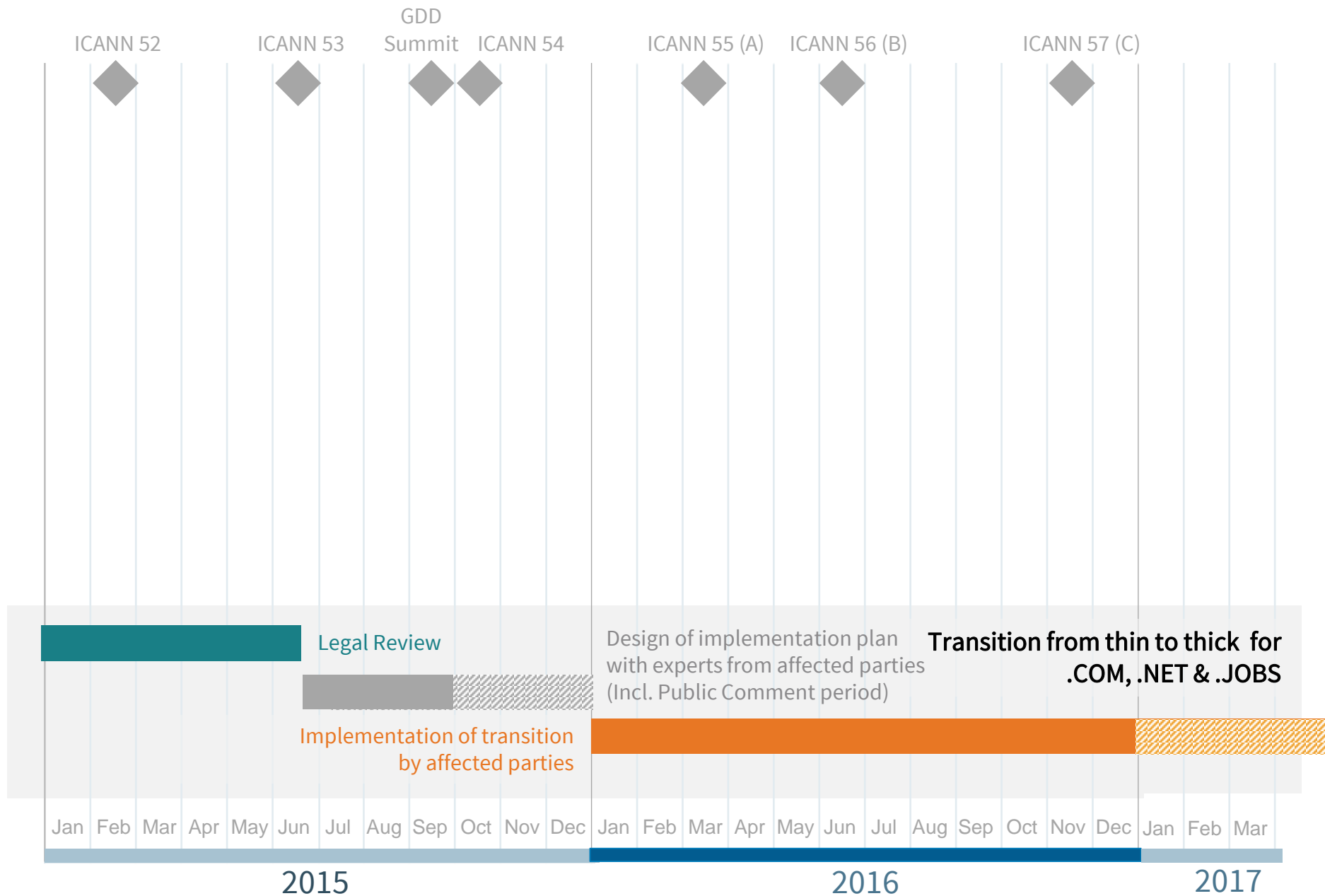
# Discussion of Implementation Considerations

## ⦿ Implementation Considerations

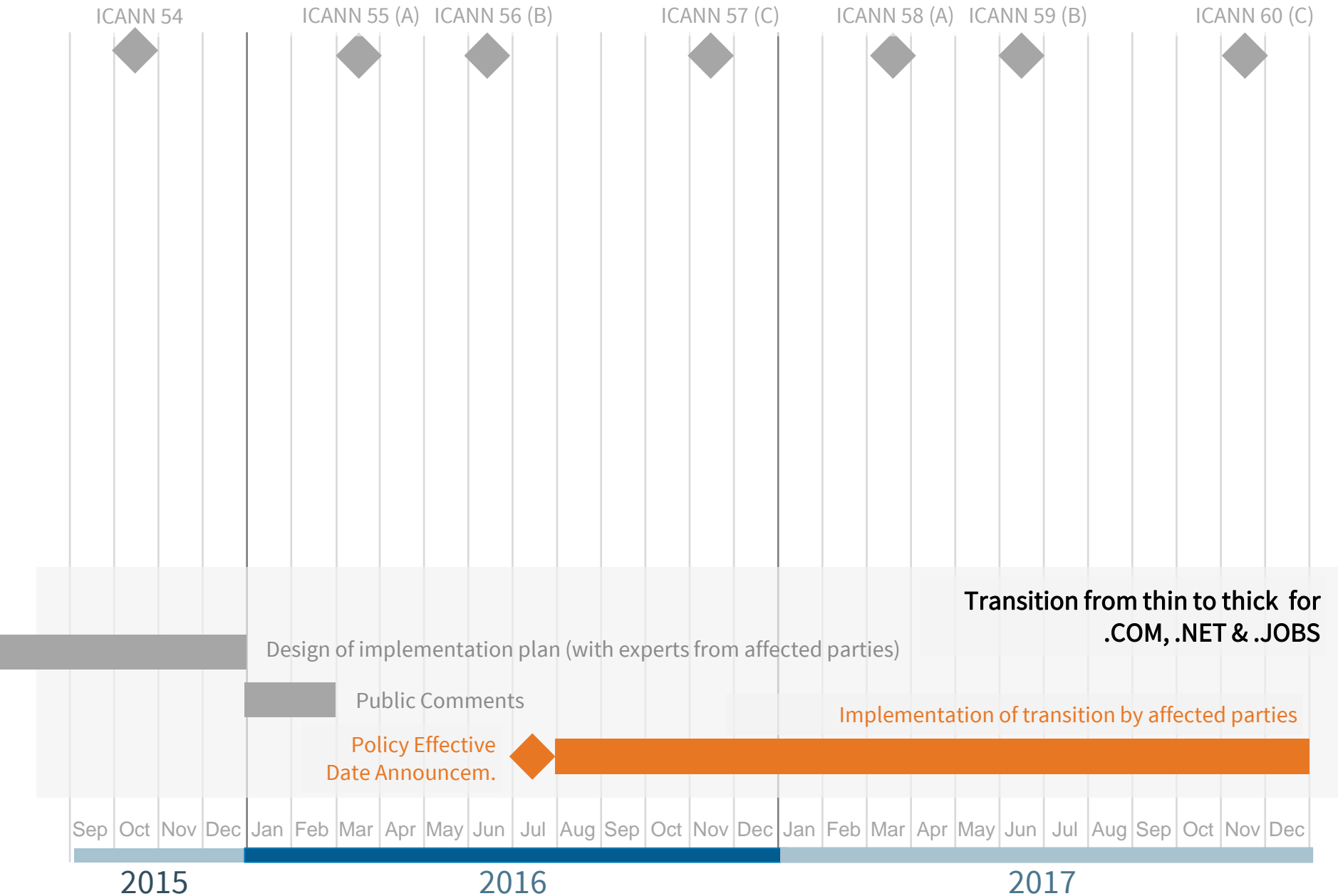
- Should the processing of existing and new registrations be distinct?
- Should conflict jurisdiction be considered at Registrant or Registrar level?
- Is RDAP as a mechanism to mitigate conflict jurisdiction consistent with the policy recommendations?
- How should the implementation plan account for 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)



# Current Timeline Assumptions



# Current Timeline Assumptions

